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UNI-T®

2019

Uni-Trend
Your Testing Specialist!

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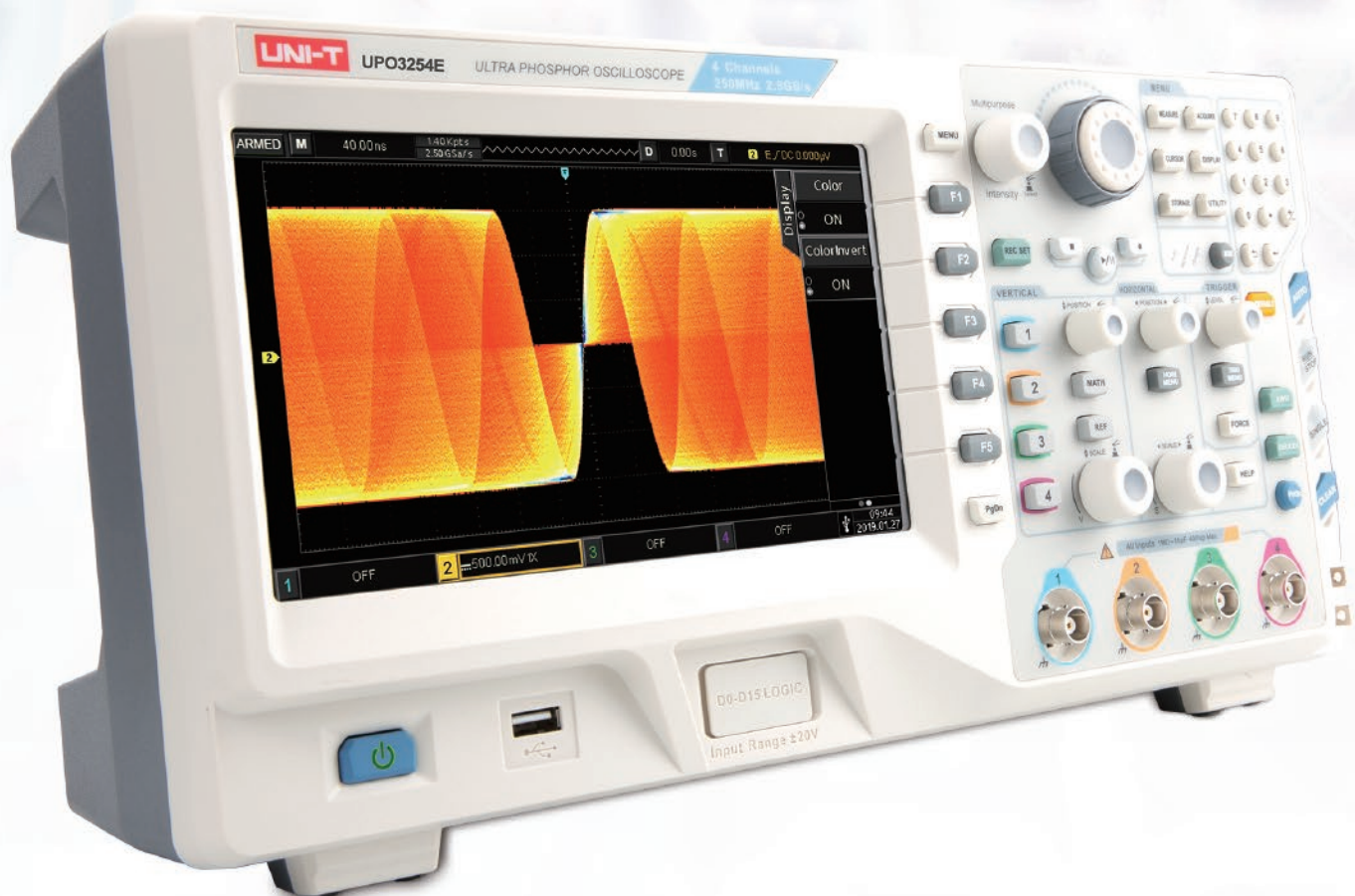
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Oscilloscopes

Oscilloscope is one of the most essential instrument for design, manufacture and maintenance of electronic devices. Engineers can use these convenient, accessible and accurate instruments to observe all types of analog/digital signals, detect and eliminate faults, and overcome challenges during design and modulation. It is suitable for education and industrial measurement. Uni-Trend, as one of the largest instrument manufacturer in Asia, has spent years on improving digital oscilloscope products. Our newest UPO series have functions and specifications exceeding equivalent products of competitors. UNI-T' s wide range of oscilloscopes provide customization that can meet all users' measurement needs.

APPLICATIONS

Serial data analysis, jitter analysis, data storage device testing, electric vehicle and electronics equipment design, evaluating frequency response of sound equipment, troubleshooting automotive engines, electronics technician repair and maintenance.



Oscilloscope Model Selection

Series	UPO3000E		UPO2000CS		UTD4000-4CH
Models	UPO3152E UPO3154E	UPO3252E UPO3254E	UPO2072CS UPO2074CS	UPO2102CS UPO2104CS	UTD4104C/UTD4204C/UTD4304C
Channels	2/4	2/4	2/4	2/4	4
Bandwidth	150MHz	250MHz	70MHz	100MHz	100MHz/200MHz/300MHz
Sampling rate	2.5GS/s		1GS/s		2GS/s
Memory depth	70Mpts/CH		28Mpts/CH		24kpts
Waveform capture rate	200,000wfms/s		50,000wfms/s		2,000wfms/s
Time base scale (s/div)	2ns/div~40s/div		5ns/div~50s/div		(5/2/1)ns/div~50s/div
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)		1mV/div~20V/div (1MΩ)		(1/2/2)mV/div~(10/5/5)V/div
DC gain accuracy	<5mV/div: 3%; ≥5mV/div: 2%		<5mV/div: 4%; ≥5mV/div: 3%		<5mV/div: 4%; ≥5mV/div: 3%
Waveform record	200,000 frames		65,000 frames		1,000 frames
Trigger types	18/19	18/19	4		5
Bus decode	6/7	6/7	4		—
Auto measurements	34		34		26
Interfaces	USB (Host/Device), LAN, AUX Out		USB (Host/Device), LAN, AUX Out		USB (Host/Device), Pass/Fail, DMM
Display (resolution)	8" TFT color (800 x 480)		8" TFT color (800 x 480)		5.7" TFT color (320×240)

Series	UTD4000CM	UTD4000C	UTD2000CEM/ UTD2000CEX-II	UTD2000CL
Models	UTD4102CM/UTD4202CM/ UTD4302CM	UTD4102C/UTD4202C/UTD4302C	UTD2072CEM/UTD2102CEM UTD2072CEX-II/UTD2102CEX-II	UTD2025CL/UTD2052CL
Channels	2	2	2	2
Bandwidth	100MHz/200MHz/300MHz	100MHz/200MHz/300MHz	70MHz/100MHz	25MHz/50MHz
Sampling rate	2GS/s	2GS/s	1GS/s	250MS/s / 500MS/s
Memory depth	24Mpts/CH	24kpts	28Mpts/25kpts	25kpts
Waveform capture rate	150,000wfm/s	2,000wfms/s	20,000wfms/s	2,000wfms/s
Time base scale (s/div)	(2/2/1)ns/div~50s/div	(5/2/1)ns/div~50s/div	2ns/div~50s/div	(10/5)ns/div~50s/div
Vertical scale (V/div)	2mV/div~5V/div	(1/2/2)mV/div~(10/5/5)V/div	1mV/div~20V/div	1mV/div~20V/div
DC gain accuracy	<5mV/div: 4%, ≥5mV/div: 3%	<5mV/div: 4%, ≥5mV/div: 3%	<5mV/div: 4%, >5mV/div: 3%	<5mV/div: 4%, ≥5mV/div: 3%
Waveform record	1,000 frames	1,000 frames	1,000 frames	1,000 frames
Trigger types	5	6	5	4/3
Auto measurements	28	26	34	28
Interfaces	USB (Host/Device), Pass/Fail	USB (Host/Device), Pass/Fail, LA, DMM	USB OTG, AUX Out	USB OTG, Pass/Fail (UTD2025CL only)
Display (resolution)	7" TFT color (800 x 480)	5.7" TFT color (320×240)	8" TFT color (800×480)	7" TFT color (400×240)



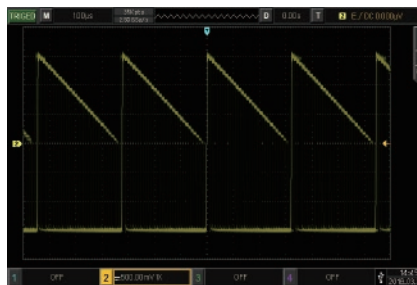
● UPO3254E

- Channels: 2/4; Bandwidth: 150M/250MHz
- Sampling rate: 2.5GS/s; Memory depth: 70Mpts
- Waveform capture rate: 200,000wfms/s
- Independent triggering
- 256-level intensity grading display
- Multiple triggering and decoding available
- 8 inches TFT LCD, WVGA (800×480)
- Up to 100,000 frames waveform record
- Interfaces: USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail), VGA

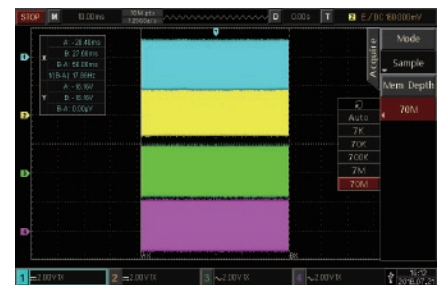
FEATURES



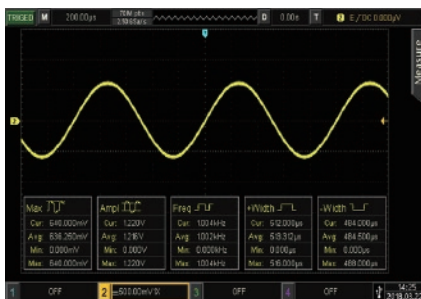
The ability of capturing low-probability events is highly improved with up to 200,000wfms/s waveform capture rate. Users can clearly observe signal jitters and glitches



256 level intensity grading display to timely show the probability of waveform generation



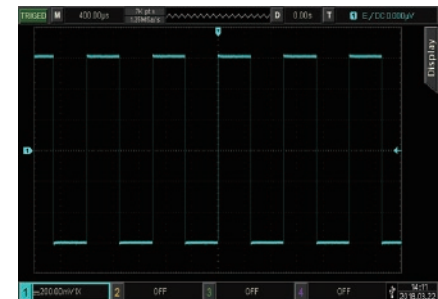
Up to 70Mpts channel memory depth. Users can capture signals for longer time without losing the waveform details



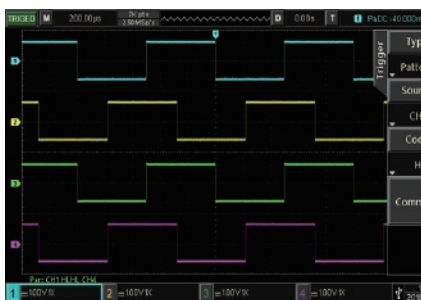
A variety of measuring and statistical functions



Editable advanced operations



Menu can be hidden to allow longer horizontal viewing area for more waveform details



A variety of triggers: Runt, Nth Edge, Pattern, RS232/UART, I2C, SPI, CAN, USB, FlexRay



Unique numerical keypad

■ SPECIFICATIONS

	UPO3152E	UPO3154E	UPO3252E	UPO3254E
Analog bandwidth	150MHz		250MHz	
Channels	2	4	2	4
Sampling rate	2.5GS/s (Single channel), 1.25GS/s (Dual channels/Four channels)			
Memory depth	Each channel: auto, 7kpts, 70kpts, 700kpts, 7Mpts, 70Mpts selectable (open the 4 channels at the same time)			
Waveform capture rate	200,000wfms/s			
Time base scale (s/div)	2ns/div~40s/div (Real-time sampling rate, memory depth display) 【Step by 1-2-4 stall】			
Input impedance	(1MΩ±1%) (18pF±3pF)			
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)			
DC gain accuracy	<5mV: ±3%, ≥5mV: ±2%			
Waveform record	Single channel: 100,000 frames; Adjustable interval: 1.00ms~1000s			
Trigger types	Edge, Runt, Window, Nth Edge, Delay, Overtime, Duration, Setup/Hold, Pulse Width, Slop, Video, Code; RS232/UART, I2C, SPI, USB, CAN, LIN, FlexRay			
Bus decode	RS232/UART, I2C, SPI, USB, CAN, LIN, FlexRay			
Waveform operations	A+B, A-B, A×B, A/B, FFT, editable advanced and logical operations			
Auto measurements	Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq, Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total			
Measurement display	5 types			
Measurement statistics	Average, Max, Min, standard deviation and number of measurements			
Frequency counter	6 bits			
Interfaces	Standard: USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail), VGA Optional: AWG			

■ GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	4.2kg
Product size	370mm x 195mm x 125mm
Standard accessories	Probe x 2/4 (1 x , 10 x switchable), power cord, USB interface cable, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	490mm x 480mm x 300mm
Standard carton gross weight	11kg



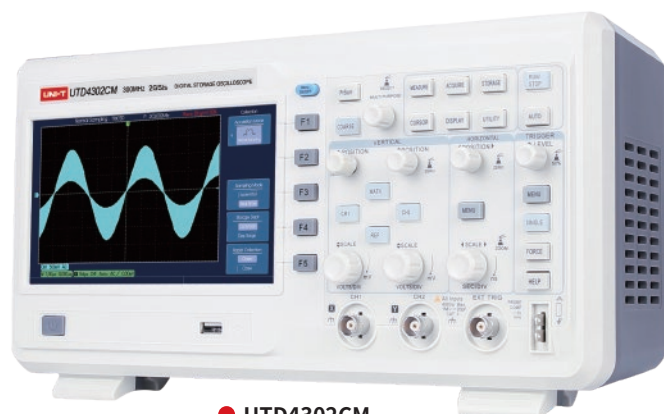
- Bandwidth: 70MHz, 100MHz
- 28Mpts memory depth per channel
- 50,000 wfms/s waveform capture rate
- 256-level intensity grading display
- Adjustable channel time base
- 65,000 frames waveform record
- 8-inch TFT LCD, WVGA (800 x 480)
- Interfaces: USB Host, USB device, LAN, AUX Out

SPECIFICATIONS

	UPO2072CS	UPO2074CS	UPO2102S	UPO2104CS
Bandwidth	70MHz		100MHz	
Channels	2	4	2	4
Sampling rate	1GS/s			
Memory depth	28kpts/280kpts/2.8Mpts/28Mpts (each channel)			
Waveform capture rate	50,000wfms/s			
Time base scale (s/div)	5ns/div~50s/div			
Input impedance	(1MΩ ± 2%) // (20pF ± 3pF)			
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)			
Waveform record	Max 65,000 frames			
Trigger types	Edge, pulse width, slope, video			
Waveform operations	A+B, A-B, A × B, A/B, FFT, logical operations, editable advanced operations			
Auto measurements	Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq, Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total			
Number of measurements	Display 5 measurements at the same time			
Measurement statistics	Mean, Max, Min, standard deviation and measurement counts			
Frequency counter	6-bit hardware counter			
Standard interfaces	USB Host, USB Device, LAN, AUX Out			

GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	3.5kg
Product size	336mm x 164mm x 108mm
Standard accessories	Probe x 2/4 (1x, 10x switchable), power cord, USB interface cable, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	450mm x 420mm x 280mm
Standard carton gross weight	9.5kg



● UTD4302CM

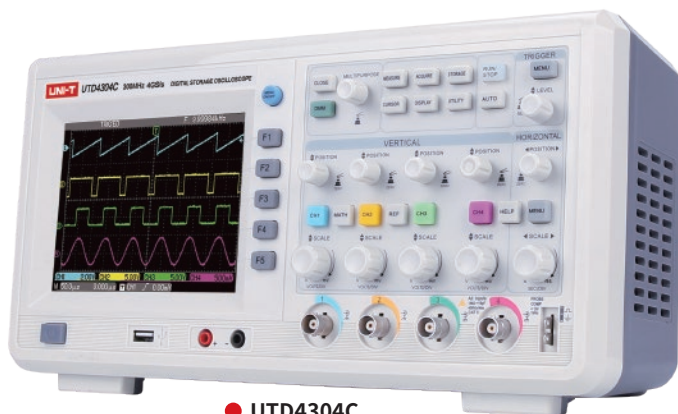
- 150,000 wfms/s waveform acquisition rate
- 24Mpts each channel memory depth
- 800 x 480, 7 inches widescreen LCD display
- Special print screen feature
- Edge, video, pulse, slope and alternate triggers
- 24 automatic and 2 advanced measurements
- Unique waveform record and recall
- Supports plug-and-play USB storage device. Communication with and remote control of computer through the USB device
- 6-bit trigger frequency counter

SPECIFICATIONS

	UTD4102CM	UTD4202CM	UTD4302CM
Bandwidth	100MHz	200MHz	300MHz
Channels	2		
Sampling rate	2GS/s		
Rise time	≤3.5ns	≤1.8ns	≤1.2ns
Memory depth	24Mpts (each channel)		
Waveform capture rate	≥150,000wfms/s		
Vertical scale (V/div)	2mV/div~5V/div		
Time base scale (s/div)	2ns/div~50s/div		1ns~50s/div
Storage methods	Setup, Wave, Bitmap, CSV		
Trigger types	Edge, pulse width, video, slope, alternate		
Interfaces	USB Device, USB Host, Pass/Fail		

GENERAL CHARACTERISTICS

Power	100~240V AC, 50Hz/60Hz
Display	7 inches TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	3.8kg
Product size	337mm x 190mm x 180mm
Standard accessories	Probe x 2 (1x, 10x switchable), USB interface cable, power cord, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	1pcs
Standard carton measurement	425mm x 277mm x 305mm (0.075CBM per standard carton)
Standard carton gross weight	6kg



● UTD4304C

- 2/4 channels
- 2GS/s real-time sampling rate
- Waveform details observation and analysis
- 3 1/2 digits digital multimeter
- 16-bit logic analyzer (UTD4XX2C)
- Support plug-and-play USB storage devices and capable of communicating with a computer
- Built-in FFT and multiple waveform mathematical operations (including add, subtract, multiply and divide)

SPECIFICATIONS

	UTD4104C	UTD4204C	UTD4304C	UTD4102C	UTD4202C	UTD4302C
Bandwidth	100MHz	200MHz	300MHz	100MHz	200MHz	300MHz
Channels	4			2		
Sampling rate	2GS/s					
Rise time	≤3.5ns	≤1.8ns	≤1.2ns	≤3.5ns	≤1.8ns	≤1.2ns
Memory depth	24kpts					
Waveform capture rate	≥2,000wfms/s					
Vertical scale (V/div)	2mV/div~5V/div			1mV/div~10V/div	2mV/div~5V/div	
Time base scale (s/div)	5ns/div~50s/div	2ns/div~50s/div	1ns/div~50s/div	5ns/div~50s/div	2ns/div~50s/div	1ns/div~50s/div
Storage methods	Setup, wave, bitmap, CSV					
Trigger types	Edge, pulse width, video, slope, alternate, LA (UTD4XX2C)					
Interfaces	USB Device, USB Host, DMM, Pass/Fail (UTD4XX2C), LA (UTD4XX2C)					
Multimeter Specifications	Range				Accuracy	
DC voltage (V)	400mV/4V/40V/400V				±(1%+5)	
AC voltage (V)	4V/40V/400V				±(1.2%+ 5)	
DC current (A)(external convertor)	4mA/40mA/400mA/4A				±(1%+ 5), 4A: ±(1.5%+ 5)	
Resistance (Ω)	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ				±(1.5%+5)	
Display count	4000					
Auto range	√					

GENERAL CHARACTERISTICS

Power	100-240V AC, 50Hz/60Hz
Display	5.7-inch TFT LCD, QGVA (320 x 240)
Product color	White and grey
Product net weight	3.8kg
Product size	337mm x 190mm x 180mm
Standard accessories	Probe x 2 (UTD4XX2C)/ Probe x 4 (UTD4XX4C) (1x/10x), logic analyzer probe (UTD4XX2C), power cord, PC software CD, current-to-voltage convertor, USB interface cable, test leads
Standard individual packing	Carton box
Standard quantity per carton	1pcs
Standard carton measurement	425mm x 277mm x 305mm (0.075CBM per standard carton)
Standard carton gross weight	6kg



● UTD2102CEX-II

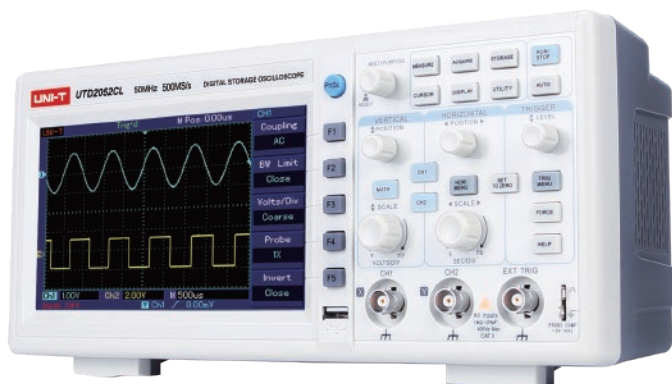
- 2 channels
- 70MHz/100MHz bandwidth; 1GSa/s real-time sampling rate
- Up to 28Mpts memory depth
- Calibration signal output: 10Hz, 100Hz, 1kHz (by default), 10kHz or 100kHz
- Max 10Mpts waveform record
- 8-inch TFT LCD, WVGA (800×480)

■ SPECIFICATIONS

	UTD2072CEM	UTD2102CEM	UPO2072CEX-II	UTD2102CEX-II
Bandwidth	70MHz	100MHz	70MHz	100MHz
Channels	2			
Sampling rate	1GS/s (single channel), 500MS/s (dual channels)			
Rise time	≤5ns	≤3.5ns	≤5ns	≤3.5ns
Memory depth	28Mpts		25kpts	
Waveform capture rate	≥20,000wfms/s			
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)			
Time base scale (s/div)	2ns/div~50s/div			
Input impedance	(1MΩ±2%)/(22pF±3pF)			
Storage methods	Setup, wave, bitmap			
Trigger types	Edge, pulse width, slope, video, runt, window			
Waveform operations	A+B, A-B, A×B, A/B, FFT			
Auto measurements	Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq, Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total			
Number of measurements	Display 5 measurements at the same time			
Measurement statistics	Average, Max, Min, standard deviation, number of measurements			
Frequency counter	6 bits			
Interfaces	USB-OTG, Pass/Fail			

■ GENERAL CHARACTERISTICS

Power	100~240V ACrms, 50Hz/60Hz
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	3.5kg
Product size	336mm x 164mm x 108mm
Standard accessories	Probe x 2 (1x, 10x switchable), PC software CD, power cord, USB interface cable
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	450mm x 420mm x 280mm
Standard carton gross weight	8kg



● UTD2052CL

- 25MHz/50MHz bandwidth
- 250MS/s or 500MS/s real-time sampling rate
- Low noise, wide vertical range: 1mV/div~20V/div
- System software upgradable with USB drive
- Auto measurements of 28 waveform parameters
- More than 2,000wfms/s waveform capture rate
- 7-inch TFT LCD, WVGA (400×240)

SPECIFICATIONS

	UTD2025CL	UTD2052CL
Bandwidth	25MHz	50MHz
Channels	2	
Sampling rate	250MS/s	500MS/s
Rise time	≤14ns	≤7ns
Memory depth	25kpts	
Waveform capture rate	≥2,000wfms/s	
Vertical scale (V/div)	1mV/div~20V/div	
Time base scale (s/div)	10ns/div~50s/div	5ns/div~50s/div
Storage methods	Setup, waveform, bitmap	
Trigger specifications		
Frequency counter	6 bits	
Trigger types	Edge, pulse width, video (UTD2025CL), alternate	
Level range	Internal	±8div from screen center
	EXT	±3V
Holdoff range	80ns~1.5s	
Edge trigger types	Rise, fall, rise & fall	
Interfaces	Pass/Fail (UTD2025CL), USB-OTG	

GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	7-inch TFT LCD, WVGA (400 x 240)
Product color	White and grey
Product net weight	2.2kg
Product size	306mm x 147mm x 122mm
Standard accessories	Probe x 2 (1x, 10x switchable), power cord, USB interface cable, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	450mm x 420mm x 280mm
Standard carton gross weight	7.1kg

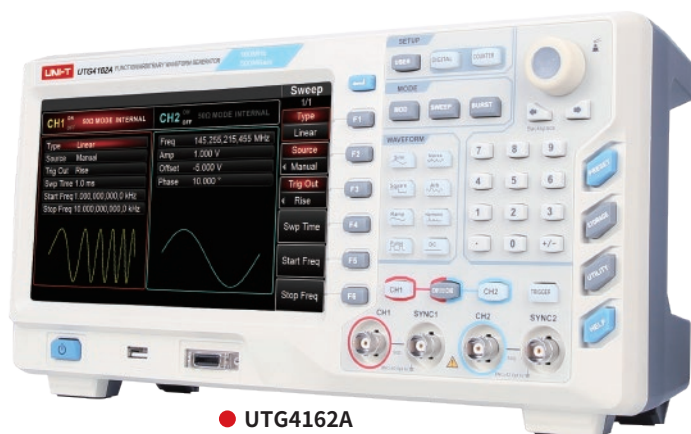
Waveform Generators

UNI-T's waveform generators adopt Direct Digital Synthesizer (DDS) technology to generate high frequency signals such as sine waves, square waves, harmonic waves, arbitrary waves, noise etc. Our signal generators also provide analog and digital modulation functions. All models have arbitrary waveform generator with editable software to generate complex waveforms. These tools are suitable for education, communication, and electrical signal generation.

APPLICATIONS

Designing, testing, troubleshooting, and repairing of electronic and electroacoustic devices, such as circuit and equipment testing in cellular and wireless systems, broadcasting, television and radio systems; semiconductor component testing etc.





- 500MSa/s sampling rate and 16-bit vertical resolution
- 32Mpts arbitrary/7GB nonvolatile waveform storage
- Modulations available: AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, OSK, PWM, SUM, QAM
- 80MHz/120MHz/160MHz sine wave output
- 30MHz/40MHz/50MHz pulse waveform
- Adjustable rise/fall time
- Two equivalent-performance channels

SPECIFICATIONS

	UTG4082A	UTG4122A	UTG4162A
Bandwidth	80MHz	120MHz	160MHz
Channels	2		
Sampling rate	500MS/s		
Waveforms	Sine, square, ramp, harmonic, pulse, noise, DC voltage, arbitrary		
Working modes	Output on/off, continuous, modulation, sweep, burst		
Modulations	AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, OSK, PWM, SUM, QAM		
Frequency Characteristics			
Sine	1μHz~80MHz	1μHz~120MHz	1μHz~160MHz
Square/Pulse	1μHz~30MHz	1μHz~40MHz	1μHz~50MHz
Slope	1μHz~2MHz	1μHz~3MHz	1μHz~4MHz
Harmonic	1μHz~40MHz	1μHz~60MHz	1μHz~80MHz
Noise (-3dB)	80MHz bandwidth	120MHz bandwidth	160MHz bandwidth
Resolution	1μHz		
Arbitrary Waveform			
Frequency range	1μHz~20MHz	1μHz~30MHz	1μHz~40MHz
Length	8~32Mpts		
Vertical resolution	16 bits		
Min rise/fall time (typical: 1Vpp)	<7ns	<6ns	<5ns

GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	3.5kg
Product size	336mm x 164mm x 108mm
Standard accessories	BNC-BNC cable x 2, USB interface cable, PC software CD, power cord
Standard individual packing	Carton box
Standard quantity per carton	1pcs
Standard carton measurement	405mm x 225mm x 265mm
Standard carton gross weight	4.8kg



● UTG2122B

- 1μHz full-band resolution
- 5MHz~30MHz pulse waveform, adjustable rise/fall time
- 14-bit/16-bit vertical resolution
- Two equivalent-performance channels
- Max arbitrary waveform length of 8k/16M points; 48/161 non-volatile waveforms storage

■ SPECIFICATIONS

	UTG2025A	UTG2062B	UTG2082B	UTG2122B
Max frequency	25MHz	60MHz	80MHz	120MHz
Channels	2			
Sampling rate	125MS/s	320MS/s		
Waveforms	Sine, square, ramp, pulse, noise, DC, arbitrary; UTG2000B only: harmonic			
Working modes	Output on/off, continuous, modulation, sweep, burst			
Modulations	AM, FM, PM, ASK, FSK, PSK, PWM; UTG2000B only: BPSK, QPSK, OSK, DSB-AM, SUM, QAM			
Arbitrary Waveform				
Length	8pts~8kpts	8pts~16Mpts		
Vertical resolution	14 bits	16 bits (symbol included)		
Frequency Characteristics				
Sine	1μHz~25MHz	1μHz~60MHz	1μHz~80MHz	1μHz~120MHz
Square	1μHz~5MHz	1μHz~25MHz	1μHz~25MHz	1μHz~30MHz
Pulse	1μHz~5MHz	1μHz~20MHz	1μHz~25MHz	1μHz~30MHz
Ramp	1μHz~400kHz	1μHz~3MHz	1μHz~4MHz	1μHz~5MHz
Harmonic	—	1μHz~30MHz	1μHz~40MHz	1μHz~60MHz
Arbitrary	1μHz~5MHz	1μHz~15MHz	1μHz~20MHz	1μHz~25MHz
Noise	25MHz (-3dB)	60MHz (-3dB)	80MHz (-3dB)	120MHz (-3dB)
Resolution	1μHz			
Accuracy	±0.5ppm 25°C			
	First year aging rate: 1ppm Temperature coefficient: ±0.5ppm/°C			
Temperature coefficient	<2ppm/°C			
Interfaces	USB Host, USB Device, frequency counter (UTG2025A), LAN (UTG2025A optional), 10MHz clock source input/output (UTG2000B)			

■ GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	4.3-inch TFT LCD, WVGA (480 x 272)
Product color	White and grey
Product net weight	3.2kg
Product size	265mm x 110mm x 320mm
Standard accessories	BNC-BNC cable, BNC cable with alligator clips, power cord, USB interface cable, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	380mm x 330mm x 320mm
Standard carton gross weight	8.5kg



● UTG1005A

- Intuitive interface design
- Single channel
- 125MS/s sampling rate, 14-bit vertical resolution
- Integrated analog and digital design
- 4.3 inches TFT LCD

SPECIFICATIONS

	UTG1005A	UTG1010A
Channel	1	
Sample rate	125MS/s	
Output frequency	5MHz	10MHz
Frequency Characteristics		
Sine	1μHz~5MHz	1μHz~10MHz
Square	1μHz~5MHz	1μHz~5MHz
Ramp	1μHz~400kHz	1μHz~400kHz
Pulse	1μHz~5MHz	1μHz~5MHz
Arbitrary	1μHz~1MHz	1μHz~2MHz
Resolution	1μHz	
Accuracy	Within 90 days ± 50ppm	
	Within 1 year ± 100ppm	
	18°C~28°C	
Arbitrary Waveform		
Vertical resolution	14 bits	
Max. memory depth	16 sets of arbitrary waveforms	
Others		
Output standard waveform	Sine, square, ramp, triangle, pulse, noise, DC, arbitrary	
Output amplitude range	1mVpp~10Vpp (50Ω); 2mVpp~20Vpp (High Z)	
Modulation types	AM, FM, PM, PWM, ASK, FSK, PSK	
Interface	USB Device	

GENERAL CHARACTERISTICS

Power	100~240V AC, 50Hz/60Hz
Display	4.3 inches TFT LCD, WVGA (480 x 272)
Product color	White and grey
Product net weight	3.2kg
Product size	165mm x 110mm x 320mm
Standard accessories	USB interface cable, power cord, BNC-BNC cable, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	380mm x 330mm x 320mm
Standard carton gross weight	8.5kg



● UTG9005C-II

- Output waveforms: Sine, square, ramp, pulse, noise, DC, arbitrary
- Output frequency range: Sine/square, 2MHz (UTG9002C-II); 5MHz (UTG9005C-II)
- High-accuracy, broad-band 6 bit frequency counter, range: 100mHz~100MHz
- 4W power output (UTG9005C-II)
- EBTN LCD screen

SPECIFICATIONS

	UTG9002C-II	UTG9005C-II
Channel	1	
Bandwidth	2MHz	5MHz
Sampling rate	125MS/s	
Vertical resolution	14 bits	
Waveforms	Sine, square, pulse, ramp, noise, DC, arbitrary (20 sets inside)	
Sweep modes	Logarithmic, linear	
Frequency Characteristics		
Sine	1μHz~2MHz	1μHz~5MHz
Square	1μHz~2MHz	1μHz~5MHz
Ramp	1μHz~200kHz	1μHz~200kHz
Pulse	1μHz~2MHz	1μHz~5MHz
Arbitrary	1μHz~1MHz	1μHz~1MHz
Resolution	1μHz	
Accuracy	Within 90 days ± 50ppm	
	Within 1 year ± 100ppm	
	18°C~28°C	
Output Characteristics		
Impedance	50Ω/High Z	
Amplitude range	1mVpp~10Vpp (50Ω); 2mVpp~20Vpp (high Z)	
DC offset range	-5Vpp~5Vpp (50Ω) (AC+DC); -10Vpp~10Vpp (high Z) (AC+DC)	
Amplitude resolution	1mV	

GENERAL CHARACTERISTICS

Power	100~240VAC, 50Hz/60Hz
Display	EBTN LCD
Product color	White and grey
Product net weight	2.8kg
Product size	265mm x 110mm x 320mm
Standard accessories	USB interface cable, power cord, BNC cable with alligator clips, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	380mm x 330mm x 320mm
Standard carton gross weight	7kg



● UTS3030

UTS3000 series high-sensitivity spectrum analyzers are equipped with full aluminum case. Users can select many applications, such as remote control, integrated system and education presentation with USB/LAN/VGA/GPIB/RS232 interface and standard SCPI instructions. Frequency, AM/FM demodulation, adjacent channel power and chromatogram are measuring parameters.

SPECIFICATIONS

	UTS3030	UTS3030D	UTS3070D
Range	9kHz~3.0GHz		9kHz~7.5GHz
Resolution	1Hz		
Resolution Bandwidth (RBW)			
Range (<10Hz as an option)	1Hz~500kHz, 1MHz, 3MHz		
Phase Noise (fc=500MHz)			
Range	-90dBc/Hz		-80dBc/Hz
Resolution	-100dBc/Hz		-90dBc/Hz
Accuracy	-115dBc/Hz		-110dBc/Hz
Amplitude			
Max input level	Average continuous power: +27dBm		
Max DC input voltage	50Vdc		
Attenuator input range	0~39dBm, 3dB step		
1dB compression	+7dBm		+10dBm
Tracking Source			
Frequency range	—	100kHz~3.6GHz	100kHz~3.2GHz
Input/Output			
RF input	N type, female (50Ω)		
Interfaces	USB host, USB device, LAN		
AM/FM demodulation	A headset jack available		
Reference input/output	10MHz, BNC female, input: 0dBm~+10dBm; output: 0dBm±2dB		
External trigger input	BNC female, 5V TTL level (±10V, Max 100mA)		
Internal data storage	128MB		

GENERAL CHARACTERISTICS

Power	100~240V AC, 50/60Hz; Max consumption: 30W
Display	8.4-inch TFT LCD, SVGA (800 x 600)
Product color	White and grey
Product net weight	6.5kg
Product size	390mm x 182mm x 230mm
Standard accessories	N/SMA convertor, N/BNC convertor, antenna, RF cable, power cord
Standard individual packing	Carton box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	480mm x 380mm x 285mm
Standard carton gross weight	9.3kg
Optional accessories	USB-GPIB



● UTS2030A-TG

UTS2000A series have many measurement functions, such as time spectrum, frequency counting, AM/FM demodulation, transient measurement and Pass/Fail together with basic functions of spectrum analyzer for different applications.

- Best sensitivity: 158dBm
- Tracking/Independent source selectable
- Waveform transient detection, frequency monitoring test, Pass/Fail
- Communication interfaces: USB Host, USB Device, LAN, VGA, RS232

SPECIFICATIONS

	UTS2020A	UTS2020A-TG	UTS2030A	UTS2030A-TG
Range	9kHz~1.8GHz	9kHz~1.8GHz	9kHz~3GHz	9kHz~3GHz
Resolution	1Hz			
Resolution Bandwidth (RBW)				
Range (<10Hz as an option)	1Hz~3MHz			
Phase Noise				
Offset: 30kHz; 100kHz; 1MHz	-80dBc/Hz; -90dBc/Hz; -110dBc/Hz			
Amplitude				
Max input level	Average continuous power: +23dBm		Average continuous power: +27dBm	
Max DC input voltage	50Vdc			
Spurious and Residual Response				
Input related spurious	<-60dBm			
Residual response	<-85dBm			
Tracking generator (UTS2000A-TG only)				
Frequency range	—	100kHz~1.8GHz	—	100kHz~3GHz
Input/Output				
RF input	N type, female (50Ω)			
Interfaces	USB host, USB device, LAN, RS-232, VGA			
AM/FM demodulation	A headset jack available			
Reference input/output	10MHz, BNC (female), input: 0dBm~+10dBm; output: 0dBm±2dB			
Internal data storage	128MB			

GENERAL CHARACTERISTICS

Power	100~240V AC, 50/60Hz; Max consumption: 35W
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	3kg
Product size	336mm x 164mm x 108mm
Standard accessories	N/SMA convertor x 2, N/BNC convertor x 2, 2.4G antenna, RF cable, power cord
Standard individual packing	Carton box, English manual
Standard quantity per carton	2pcs
Standard carton measurement	336mm x 164mm x 108mm
Standard carton gross weight	9.5kg
Optional accessories	USB-GPIB



● UTS1020

- Designed for on-site applications
- Lightweight and easy to operate
- High luminance 6.5-inch display
- Rechargeable lithium battery supporting continuous 4-hour operation
- Push-type compartment for easy battery replacement
- Built-in tracking source, preamplifier, audio demodulation
- Selectable high-resolution bandwidth for quick measurements in harsh environments
- PC connectivity through USB and LAN

SPECIFICATIONS

	UTS1020	UTS1030	UTS1060
Range	9kHz~2.6GHz	9kHz~3.6GHz	9kHz~6GHz
Resolution	1Hz		
Resolution Bandwidth (RBW)			
Range (<10Hz as an option)	1Hz~3MHz		
Phase Noise (fc=500MHz)			
Frequency offset: 30kHz/100kHz/1MHz	-90dBc/Hz; -100dBc/Hz; -110dBc/Hz		
Amplitude			
Max input level	Average continuous power: +27dBm	+23dBm	
Max DC input voltage	50V dc		
Residual Response			
TOI (Third-Order Intercept)	> 30MHz: +13dBm		
SHI (Second-Harmonic Intercept)	+30dBm		
Input related spurious	< -60dBm		
Residual response	< -85dBm		
Tracking Source (Optional)			
Frequency range	100kHz~1.5GHz		
Input/Output			
RF input	N type, female (50Ω)		
USB	USB host, USB device		
LAN	10/100 Base-T, RJ-45 connector		
AM/FM demodulation	A headset available		
Reference input/output	10MHz, BNC female, input: 0dBm~+10dBm; output: 0dBm~+2dBm		
Internal data storage	128MB		

GENERAL CHARACTERISTICS

Power	Lithium battery: 7.4V 6600mAh; DC adapter: 100~240V AC 50/60Hz 1.5A
Display	6.5-inch TFT LCD, VGA (640 x 480)
Product color	Red and grey
Product net weight	3kg
Product size	182mm x 288mm x 142mm
Standard accessories	DC adapter, N/SMA convertor, N/BNC convertor, RF cable, antenna
Standard individual packing	Carton box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	428mm x 308mm x 242mm
Standard carton gross weight	4.7kg

DC Power Supplies

DC power supplies are commonly used in electronics design, battery charging, electrical vehicle, research labs and education sectors. UNI-T offers both programmable and non-programmable power supplies with features such as low ripple and noise, constant voltage/current, overload protection, and more.





- Three-channel output
- Over voltage/current/temperature protection
- One click data recall (up to 5 groups) for UTP3303C
- cTUVus certification
- USB communication interface (UDP3303C)

Applications

- Product development and debugging
- Quality control and inspection
- Production automation test
- Teaching experiment



● UDP3303A

SPECIFICATIONS

		UDP3303A	UDP3303C
Output voltage (CH1/CH2)		0~30V	
Output current (CH1/CH2)		0~3A	
Output power		195W	
Load regulation		Voltage: <math><0.01\%+3\text{mV}</math>; Current: <math><0.1\%+5\text{mA}</math>	
Line regulation		Voltage: <math><0.01\%+3\text{mV}</math>; Current: <math><0.1\%+3\text{mA}</math>	
Programming resolution		Voltage: 10mV; Current: 1mA	
Recall resolution		Voltage: 10mV; Current: 1mA	
Accuracy (25°C±5°C)	Voltage	±(0.1% of reading+30mV)	<math><0.5\%+20\text{mV}</math>
	Current	±(0.3% of reading+5mA)	<math><0.5\%+5\text{mA}</math>
Ripple and noise (20Hz~20MHz)		Voltage: ≤1mVrms; Current: ≤3mA _{rms}	
Temperature coefficient		Voltage: ≤150ppm/°C; Current: ≤150ppm/°C	
Voltage rise/fall delay		≤100ms (10% rated load)	
Parallel load regulation	Voltage	≤0.01%+3mV	≤0.1%+0.1V
Series load regulation	Voltage	<math><100\text{mV}</math>	≤0.1%+0.1V
CH3 Output Features	Voltage	1.8V/2.5V/3.3V/5.0V	1.8V/2.5V/3.3V/5V
	Current	3A	3A
	Voltage accuracy	±50mV	±50mV
	Load regulation	±50mV	±50mV
Interfaces		USB Host (5V/2A, charging port only), digital interface; UDP3303C only: USB Device, RS-232	

GENERAL CHARACTERISTICS

Power	AC 100V/120V/220V/230V±10%, 50Hz/60Hz	
Display	EBTN LCD	
Product net weight	8.5kg	10kg
Product size	143mm x 190mm x 327mm	240mm x 151mm x 327mm
Standard accessories	Power cord, output cables, USB cable (UDP3303C), PC software CD	
Standard individual packing	Carton box	
Standard quantity per carton	2pcs	
Standard carton measurement	435mm x 345mm x 270mm	
Standard carton gross weight	10.5kg	12kg



● UTP3305C

UTP3300C series are high performance programmable linear DC power supplies with single channel output and process control. They can meet diversified measurement needs with pure signal output, competitive specifications and a variety of interfaces.

- High precision 4-bit voltage and current display
- Over voltage and current protection
- Over temperature protection
- One click data recall (up to 5 groups); Optional LAN interface
- Power-off memory; Software calibration; Keyboard lock

SPECIFICATIONS

		UTP3303C	UTP3305C
Output voltage		0~30V (CH1/CH2)	0~30V (CH1/CH2)
Output current		0~3A (CH1/CH2)	0~5A (CH1/CH2)
Output power		195W	315W
Load regulation	Voltage	<0.01%+3mV	<0.01%+5mV
	Current	<0.1%+5mA	<0.1%+10mA
Line regulation	Voltage	<0.01%+3mV	<0.01%+3mV
	Current	<0.1%+3mA	<0.1%+3mA
Resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Accuracy (25°C±5°C)	Voltage	<0.5%+20mV	<0.5%+20mV
	Current	<0.5%+5mA	<0.5%+10mA
Ripple (20Hz~20MHz)	Voltage	≤1mVrms	≤2mVrms
	Current	≤3mA _{rms}	≤3mA _{rms}
Output temperature coefficient	Voltage	≤150ppm	≤150ppm
	Current	≤150ppm	≤150ppm
Voltage rise delay		≤100ms (10% rated load)	≤100ms (10% rated load)
Parallel/Series load regulation		≤0.1%+0.1V	≤0.1%+0.1V
CH3 output features	Voltage	5V	5V
	Current	3A	3A
	Voltage accuracy	±50mV	±50mV
	Load regulation	±50mV	±50mV
Interfaces		USB Device, RS-232	

GENERAL CHARACTERISTICS

Power	AC 100V/120V/220V/230V±10%, 50Hz/60Hz	
Display	4 windows, LED	
Product net weight	6.5kg	9.1kg
Product size	260mm x 176mm x 317mm	
Standard accessories	USB and RS-232 interface cables, output cables, PC software CD	
Standard individual packing	Carton box	
Standard quantity per carton	1pcs	
Standard carton measurement	440mm x 388mm x 295mm	
Standard carton gross weight	9kg	10kg



● UTP3305

- 3-channel linear DC power supplies feature
- Low ripple/noise
- Constant voltage/current
- Over load protection
- Parallel/series
- Output on/off control

SPECIFICATIONS

		UTP3303	UTP3305
Output voltage	CH1, CH2	0~32V	0~32V
	CH3	5V	5V
Output current	CH1, CH2	0~3A	0~5A
	CH3	3A	3A
Output power		207W	335W
Load regulation		CV $\leq 1 \times 10^{-4} + 3\text{mV}$, CC $\leq 2 \times 10^{-4} + 3\text{mA}$	
Ripple and noise		CV $\leq 1\text{mVrms}$; CC $\leq 3\text{mArms}$	
Output regulation resolution		CV: 100mV (typical), CC: 10mA (typical)	
Tracking bias		$5 \times 10^{-3} + 10\text{mV}$	
Reliability		MTBF(e): $\geq 2000\text{hrs}$	
Display mode		3-bit voltage and current dual display	
Features		Auto conversion of constant voltage and current with current limit protection; CH1 and CH2 master-slave tracking in series	

GENERAL CHARACTERISTICS

Power	Input voltage: 115V AC/230V AC; Frequency: 47Hz~63Hz	
Product color	White and grey	
Product net weight	8.7kg	10kg
Product size	260mm x 170mm x 315mm	
Standard accessories	Power cord, output cables	
Standard individual packing	Carton box, English manual	
Standard quantity per carton	1pcs	
Standard carton measurement	435mm x 340mm x 255mm	
Standard carton gross weight	10.5kg	12kg



● UTP3315TFL

UTP3300TFL series are economical single-channel linear DC power supplies with constant voltage/current feature.



● UTP1305

UTP1300 series are single-channel linear DC power supplies with low ripple/noise, overload protection and constant voltage/current features.

SPECIFICATIONS

	UTP3313TFL	UTP3315TFL	UTP1303	UTP1305
Output voltage	0~30V	0~30V	0~32V	0~32V
Output current	0~3A	0~5A	0~3A	0~5A
Load regulation	CV $\leq 1 \times 10^{-4} + 2\text{mV}$, CC $\leq 2 \times 10^{-4} + 3\text{mA}$		CV $\leq 1 \times 10^{-4} + 3\text{mV}$, CC $\leq 2 \times 10^{-4} + 3\text{mA}$	
Ripple and noise	$\leq 0.3\text{mVrms}$		$\leq 1\text{mVrms}$	
Output regulation resolution	CV: 100mV (typical), CC: 10mA (typical)			
Reliability	MTBF(e): $\geq 2000\text{hrs}$			
Display mode	LED voltage and current dual display			
Feature	Auto conversion of constant voltage and current with current limit protection			

GENERAL CHARACTERISTICS

Power	Input voltage: 110V AC/220V AC; frequency: 40Hz~60Hz	Input voltage: 115V AC/230V AC; frequency: 47Hz~63Hz
Product color	White and grey	
Product net weight	3kg (UTP3313TFL); 4kg (UTP3315TFL)	5kg
Product size	105mm x 160mm x 240mm	145mm x 175mm x 284mm
Standard accessories	Power cord, output cables, PC software CD (UTP1000)	
Standard individual packing	Carton box, English manual (UTP3000TFL)	
Standard quantity per carton	4pcs	2pcs
Standard carton measurement	330mm x 285mm x 460mm	430mm x 400mm x 255mm
Standard carton gross weight	14kg (UTP3313TFL); 17kg (UTP3315TFL)	11kg (UTP1303); 13kg (UTP1305)

Benchtop Digital Multimeters

Benchtop digital multimeters are great instruments for production QA, maintenance, research, and education. UNI-T's reliable, safe, wide-range, and accurate benchtop multimeters are able to meet all end users' needs.





● UT801



● UT802



● UT803

SPECIFICATIONS

	Range	UT801	UT802	UT803
DC voltage (V)	200mV/2V/20V/200V/1000V	±(0.5%+2)	±(0.1%+3)	
	1000V			±(0.3%+2)
AC voltage (V)	2V/20V/200V/750V	±(0.8%+3)	±(0.5%+20)	
	1000V			±(0.6%+5)
DC current (A)	200μA/2mA/20mA/200mA/10A	±(0.8%+2)	±(0.5%+20)	
	10A			±(0.5%+3)
AC current (A)	2mA/20mA/200mA/10A	±(1.0%+3)	±(0.8%+40)	
	10A			±(1%+5)
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ	±(0.8%+3)		
	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/200MΩ		±(0.5%+10)	
	60MΩ			±(0.5%+2)
Capacitance (F)	20nF/2μF/200μF	±(4%+3)	±(4%+10)	
	6mF			±(2%+5)
Frequency (Hz)	2kHz/200kHz	±(1.5%+5)	±(1.2%+10)	
	60MHz			±(0.1%+3)
Temperature (°C)	-40°C~1000°C	±(1.2%+3)	±(1.2%+25)	±(1%+3)
Temperature (°F)	-40°F~1832°F			±(1.5%+5)

Features

Display count		2000	20000	6000
Auto/Manual range		Manual	Manual	Auto
Bandwidth (Hz)	100kHz			√
Diode/Transistor		√	√	√
Auto power off				√
Input protection				√
Continuity buzzer		√	√	√
Low battery indication		√	√	√
Data hold/LCD backlight		√	√	√
MAX/MIN/RS-232				√
USB interface				√
Voltage & current : AC+DC measurement				√
Misoperation alarm		√	√	

GENERAL CHARACTERISTICS

Power	AC 220V/50Hz or 1.5V batteries (R14) x 6
Display	UT801/UT802: 108mm x 34.5mm; UT803: 128mm x 28mm
Product color	Red and gray
Product net weight	UT801/UT802: 1.65kg; UT803: 2.4kg
Product size	UT801/UT802: 300mm x 245mm x 105mm; UT803: 310mm x 240mm x 105mm
Standard accessories	Test lead, alligator clip, point contact temperature probe, multi-purpose socket; Only UT801/UT802: power adapter; Only UT803: AC 220V power cord, software CD, RS-232 interface cable, USB interface cable
Standard individual packing	Carton box, English manual
Standard quantity per carton	4pcs
Standard carton measurement (L x W x H)	680mm x 365mm x 320mm
Standard carton gross weight	UT801: 8.6kg; UT802: 8.3kg; UT803: 11.2kg



● UT8802E



● UT8803E

SPECIFICATIONS

	UT8802E	UT8803E
DC voltage (V)	200mV/2V/20V/200V/1000V	1000V
AC voltage (V)	2V/20V/200V/750V	750V
DC current (A)	200μA/2mA/20mA/200mA/20A	20A
AC current (A)	2mA/20mA/200mA/20A	
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/200MΩ	60MΩ
Capacitance (F)	20nF/200nF/2μF/20μF/200μF/2mF/20mF/100mF	6mF
Frequency (Hz)	200Hz~10MHz	600Hz~20MHz
Duty cycle (%)	5%~99%	5%~95%
Inductance (H)	—	100H
Temperature (°C/°F)	—	-40°C~1000°C -40°F~1832°F
Display count	20000	6000
Interface	USB Device	
Range	Manual	Auto
True RMS/diode	√	
Frequency response (Hz)	1kHz	Up to 100kHz
SCR test	9V, can measure unidirectional and bidirectional SCR (UT8803E)	
Continuity buzzer/data hold	√	
MAX/MIN	√	√
USB interface/LCD backlight	√	
Input impedance for DCV	UT8802E: Around 10MΩ UT8803E: 600mV range: around 3GΩ; all other ranges: around 10MΩ	
AC+DC measurement	√	√

- True RMS (UT8803E)
- Diode/transistor
- SCR thyristor test (UT8803E)
- Inductance measurement (UT8803E)
- USB interface
- EBTN LCD screen
- Data hold
- MAX/MIN
- Continuity buzzer

GENERAL CHARACTERISTICS

Power	100V/120V/220V/240V ±10%, 47Hz~63Hz	
Display	EBTN LCD	
Product net weight	3.07kg	3.09kg
Product size	265mm x 110mm x 320mm	
Standard accessories	USB interface cable, power cord, simple test lead with alligator clips, standard test leads, PC software CD, point contact temperature probe (UT8803E)	
Standard individual packing	Carton box	
Standard quantity per carton	2pcs	
Standard carton measurement	380mm x 330mm x 320mm	
Standard carton gross weight	6kg	6.18kg



● UT804



● UT805A

■ SPECIFICATIONS

	Range	UT804	UT805A
DC voltage (V)	1000V	±(0.025%+5)	±(0.015%+3)
AC voltage (V)	750V		±(0.2%+100)
	1000V	±(0.4%+30)	
DC current (A)	10A	±(0.1%+15)	±(0.03%+10)
AC current (A)	10A	±(0.7%+15)	±(0.3%+100)
Resistance (Ω)	20MΩ		±(0.02%+6)
	40MΩ	±(0.3%+40)	
Capacitance (F)	40mF	±(1%+20)	
	6mF		±(2%+5)
Frequency (Hz)	10Hz~60MHz		±(0.1%+3)
	40Hz~400MHz	±(0.01%+8)	
Temperature	-40°C~1000°C	±(1%+30)	
	-40°F~1832°F	±(1.5%+50)	
Features			
Display count		40000	200000
Duty ratio (0~100%)		±(1.0%+40)	
Auto power off/Low battery indication		√	
Data storage		9999	100
USB interface/LCD backlight		Double LCD backlight	√
Peak hold/Auto/manual alarm		√	
Dot-matrix LCD	256 × 64 pixels		√
Analog bar graph		81	
Input protection		√	√
4~20mA	0~100%	±(1%+50)	

UT804

- 40000-count auto range/ TRMS
- Analog bar display
- Overload protection
- Battery and cord dual power supply
- RS-232 and USB interfaces
- 9999 data storage

UT805A

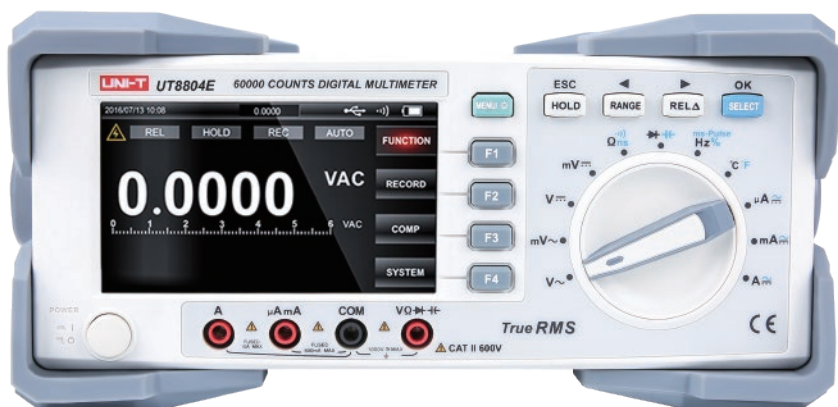
- 200000-count auto range/TRMS
- 256 x 64 pixels dot-matrix LCD
- High accuracy up to ±(0.015%+3) for DC voltage

Other Features

- Auto range; Bandwidth (100kHz)
- Diode; Continuity buzzer; True RMS
- Data hold; Relative measurement
- MAX/MIN; Data recall; RS-232
- Voltage and current: AC+DC measurement

■ GENERAL CHARACTERISTICS

Power	UT804: AC 220V/50Hz or 1.5V batteries (R14) x 6; UT805A: AC 220V/50Hz
Display	128mm x 28mm
Product color	White and grey
Product net weight	UT804: 2.2kg; UT805A: 3.2kg
Product size	UT804: 310mm x 240mm x 105mm; UT805A: 300mm x 245mm x 105mm
Standard accessories	Test lead, multi-purpose socket, AC 220V power cord, software CD, RS-232 interface cable, USB interface cable, alligator clip, point contact temperature probe (UT804), probe (UT805A)
Standard individual packing	Carton box, English manual
Standard quantity per carton	4pcs
Standard carton measurement	UT804: 680mm x 365mm x 320mm; UT805A: 685mm x 450mm x 315mm
Standard carton gross weight	UT804: 14.5kg; UT805A: 18kg



- True RMS
- 60000 display count
- Auto range, 100kHz frequency response
- Low pass filter
- dBV/dBm measurement
- AC+DC measurement
- Dual-channel temperature measurement
- Trend capture with visual display
- Recording period up to 100 days

SPECIFICATIONS

	Range	Accuracy
DC voltage (V)	1000V	±(0.025%+5)
AC voltage (V)	1000V (45Hz~100kHz)	±(0.3%+30)
DC current (A)	10A	±(0.08%+10)
AC current (A)	10A (45Hz~10kHz)	±(0.6%+20)
Resistance (Ω)	60MΩ	±(0.05%+2)
Conductance (nS)	60nS	±(2%+10)
Capacitance (F)	60mF	±(2%+5)
Frequency (Hz)	60MHz	±(0.01%+5)
Duty cycle (%)	10%-90% (10Hz~2kHz)	±(1.2%+30)
Temperature (°C/°F)	-40°C~1000°C	±(1%+30)
	-40°F~1832°F	±(1.5%+50)
Features		
Display count		60000
Range		Auto, manual
Date display		√
Data storage		20000
Data hold		√
Interface		USB Device

GENERAL CHARACTERISTICS

Power	100V/120V/220V/240V ±10%, 47Hz~63Hz
Product color	White and grey
Product net weight	2.7kg
Product size	239mm x 109m x 344m
Standard accessories	Power cord, USB interface cable, simple test leads with alligator clips, temperature probe, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	380mm x 330mm x 320mm
Standard carton gross weight	7kg



- 200000 display count
- Auto range, TRMS
- Up to 5k rdgs/s sampling rate
- Multiple mathematical operations
- Arbitrary sensor measurement
- Built-in thermocouple cold junction compensation
- 1Gb flash memory storage which can support up to 10k data recall

SPECIFICATIONS

	Range	Accuracy
DC voltage (V)	1000V	$\pm(0.010\%+0.003)$
AC voltage (V)	750V	$\pm(0.2\%+0.05)$
DC current (A)	10A	$\pm(0.055\%+0.005)$
AC current (A)	10A	$\pm(0.5\%+0.1)$
Resistance (Ω)	100M Ω	$\pm(0.020\%+0.003)$
Capacitance (F)	2mF	$\pm(1\%+0.5)$
Frequency (Hz)	20Hz~1MHz	$\pm(0.010\%+0.003)$
Temperature	-270°C~1760°C	$\pm 0.5^\circ\text{C}$
Features		
Display count	200000	
Max reading rate	5k readings/s	
Auto range/True RMS	√	
AC frequency response (Hz)	100kHz	
Diode	√	
Continuity buzzer/Data hold	√	
Relative mode/MAX/MIN	√	
Input protection	√	
Data storage	RAM: 10k; ROM: 1GB	
Interface	USB Host/Device, LAN, GPIB (optional)	
Input resistance	>10G Ω and 10M Ω	

GENERAL CHARACTERISTICS

Power	AC 100V~120V: 45Hz~440Hz; AC 200V~240V: 45Hz~66Hz
Display	4.3-inches TFT LCD
Product color	White and grey
Product net weight	4.4kg
Product size	239mm×100mm×344mm
Standard accessories	Power cord, USB interface cable, simple test leads with alligator clips, temperature probe, PC software CD
Standard individual packing	Carton box
Standard quantity per carton	2pcs
Standard carton measurement	380mm x 330mm x 320mm
Standard carton gross weight	9kg

Handheld Digital Storage Oscilloscopes

Handheld oscilloscopes are portable instruments suitable for field testing and analyzing time based voltage signals in mobile environments. These instruments can be powered through power cord or battery. UNI-T's handheld digital storage oscilloscopes are great for field technicians.





● UTD1050CL



● UTD1050DL

SPECIFICATIONS

	UTD1025CL	UTD1050CL	UTD1025DL	UTD1050DL
Bandwidth	25MHz	50MHz	25MHz	50MHz
Channels	1		2	
Sampling rate	250MS/s			
Rise time	≤14ns	≤7ns	≤14ns	≤7ns
Memory depth	12kpts			
Vertical scale (V/div)	5mV/div~20V/div			
Time base scale (s/div)	10ns/div~50s/div	5ns/div~50s/div	10ns/div~50s/div	5ns/div~50s/div
Storage methods	Setup, waveform, bitmap			
Trigger types	Edge, pulse width, video, slope			
Interface	Mini USB			
Multimeter Specifications	Range			Accuracy
DC voltage (V)	400mV/ 4V/ 40V/ 400V			±(1%+5)
AC voltage (V)	400mV/ 4V/ 40V/ 400V			±(1.2%+5)
DC current (A)	400μA/ 4000μA			±(1.2%+5)
	40mA/ 4000mA			±(1%+5)
	4A			±(1.5%+5)
AC current (A)	400μA/ 4000μA			±(2%+5)
	40mA/ 4000mA			±(1.5%+5)
	4A			±(2.5%+5)
Resistance (Ω)	400Ω/4kΩ/40kΩ/400kΩ/4MΩ			±(1.2%+5)
	40MΩ			±(1.5%+5)
Capacitance (F)	51.2nF/512nF/5.12μF/51.2μF/100μF			±(3%+5)
Display count	4000			

GENERAL CHARACTERISTICS

Power	Li-ion battery: 7.4V 3600mAh; DC adapter: 100V~240V, 50/60Hz input, 9V/4A output
Display	3.5-inches 64k TFT LCD, 320 x 240
Product color	Red and grey
Product net weight	0.9kg
Product size	199mm x 118 mm x 49mm
Standard accessories	Probe x 1 (1x, 10x switchable) (UTD1000CL), power cord, adaptor, Probe x 2 (1x, 10x switchable) (UTD1000DL), USB interface cable, current-to-voltage convertor, PC software CD, test leads
Standard individual packing	Carton box, carrying bag
Standard quantity per carton	2pcs
Standard carton measurement	305mm x 190mm x 330mm
Standard carton gross weight	UTD1000CL: 4.6kg; UTD1000DL: 3.3kg



● UTD1062C



● UTD1202C

SPECIFICATIONS

	UTD1062C	UTD1102C	UTD1202C
Bandwidth	60MHz	100MHz	200MHz
Channels	2		
Sampling rate	250MS/s	500MS/s	1GS/s
Rise time	≤5.8ns	≤3.5ns	≤1.8ns
Memory depth	7.5kpts		
Vertical sensitivity	5mV/div~50V/div		
Time base scale	5ns/div-50s/div		2ns/div-50s/div
Storage modes	Setup, waveform, bitmap		
Trigger modes	Edge, pulse width, video and alternative		
Interfaces	USB host, USB OTG (UTD1202C Optional)		
Multimeter Specifications	Range	Accuracy	
DC voltage (V)	600mV/6V/60V/600V/1000V	±(1%+5)	
AC voltage (V)(45Hz~400Hz)	600mV/6V/60V/600V/700V	±(1.2%+5), Frequency: <200Hz ±(1.5%+5), Frequency: ≥200Hz	
DC current (A)	6mA/60mA/600mA 6A	±(1.2%+5) ±(1.5%+5)	
AC current (A)(45Hz~400Hz)	6mA/60mA/600mA 6A	±(2%+5) ±(2.5%+5)	
Resistance (Ω)	6kΩ/60kΩ/600kΩ 600Ω/6MΩ/60MΩ	±(1.2%+5) ±(1.5%+5)	
Capacitance (F)	6nF/6mF 60nF/600nF/6μF/60μF/600μF	±(5%+10) ±(4%+5)	
Display count	6000		
Auto range	√		

GENERAL CHARACTERISTICS

Power	Li-ion battery: 7.4V 4400mAh; DC adapter: 100~240V 50/60Hz input, 9V/4A output
Display	5.7 inches TFT LCD, QVGA (320x240)
Product color	Red and grey
Product net weight	1.8kg
Product size	268mm x 168 mm x 60mm
Standard accessories	Probe x2 (1x, 10x switchable), current voltage converter, power cord, adapter, test leads, PC software CD
Standard individual packing	Carton box, carrying bag
Standard quantity per carton	4pcs
Standard carton measurement	500mm x 400mm x 320mm
Standard carton gross weight	16.7 kg

Thermal Imagers

Thermal imagers transform the invisible infrared rays into visible thermal image. Thermal imagers are useful for observing object in the dark, through detecting object's infrared radiation. UNI-T's thermal imagers are great performance, user friendly, and affordable tools, suitable for firefighters, law enforcement, power line maintenance, physiology and a wide range of applications.





- Pocket size thermal imager (76mm x 76mm x 22mm)
- 80 x 60 pixels
- Temperature range: -10 ~ 450°C
- Stores photos in SD card
- High/low temperature tracking
- Rechargeable lithium battery (through micro USB)
- PC software for temperature analysis and reporting



SPECIFICATIONS

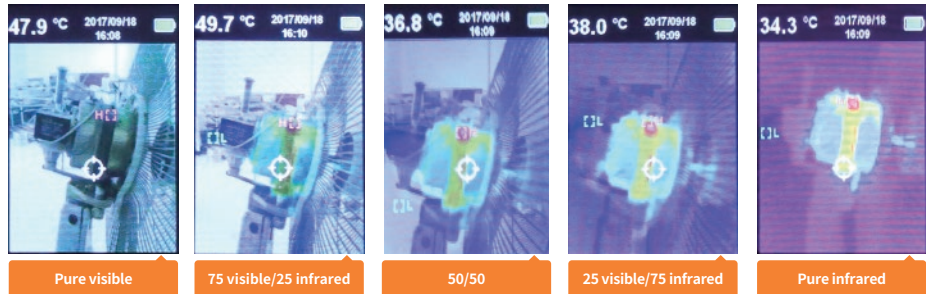
	Range
Temperature range	-10~450°C
Basic accuracy	±2°C or ±2% (-10~140°C); ±3°C or ±3% (140~450°C)
Resolution	0.1°C
Emissivity	0.95 (0.1~0.99 adjustable)
NETD	≤150mK (0.15°C)
IR resolution	80*60
Pixel size	17µm
Palettes	Iron, rainbow, grey
FOV	51° (H) * 38° (V)
Image frequency	≤9Hz
Features	
High and low temperature alarm	√
High and low temperature tracking	√
Backlight	High, medium, low
Display	2.4-inches TFT LCD
Display resolution	320 x 240 pixels

GENERAL CHARACTERISTICS

Power	Li-ion battery: 3.7V/1300mAh
Display size	48mm x 36m
Product color	Red and grey
Product net weight	125g
Product size	76mm x 76mm x 22mm
Standard accessories	Micro SD card, micro USB cable, carrying bag
Standard individual packing	Blister, gift box, English manual
Standard quantity per carton	5pcs
Standard carton measurement	390mm x 130mm x 140mm
Standard carton gross weight	2.8kg



Image Blending



Traditional infrared thermometers can only measure single temperature points. UTi80 thermal imager can detect temperature variations of an area through a 2.4-inch LCD display. UTi80's dual lasers can quickly lock in measurement area and display target temperature. The standard package also includes an 8GB Micro SD card for image and temperature data storage. UTi80's image blending feature is able to combine infrared and normal camera images together, allowing in-depth display for areas of interest.

- High/Low temperature alarm
- Rechargeable Li-ion battery (via micro USB interface)
- Auto power off

SPECIFICATIONS

	Range
Temperature range	-30°C~400°C
Basic accuracy	±2°C/±2%
D:S ratio	20:1
Response time	250ms
IR resolution	4800 pixels (80x60)
Pixel size	17µm
Image modes	Thermal, thermal blending, digital camera
Palettes	Iron, rainbow, grey
Blending setup	0% (Pure infrared), 25%, 50%, 75%, 100% (Pure visible)
Spectral range	8~14µm
FOV	51° horizontal
IFOV	11mrad
NETD	50mK
Image frequency	≤9Hz
Saved image format	BMP
Visible light camera	2 megapixels
Display	2.4-inches TFT LCD
Display resolution	320 x 240 pixels

GENERAL CHARACTERISTICS

Power	Li-ion battery: 3.7V 2600mAh
Product color	Red and grey
Product net weight	0.37kg
Product size	205mm x 124 mm x 65mm
Standard accessories	Carrying bag, micro USB cable, micro SD card
Standard individual packing	Blister, gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	660mm x 600mm x 220mm
Standard carton gross weight	8.6kg

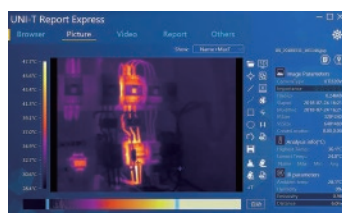


● UTi320V

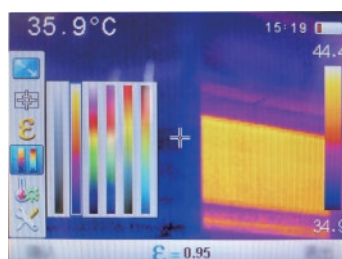
- 3.5-inches TFT LCD screen
- 50Hz high image frequency
- Image blending (UTi160V, UTi320V)
- Manual focus (UTi160G)
- High/low temperature tracking
- Supports English, German, and Russian

SPECIFICATIONS

	UTi160G	UTi160V	UTi320V
Temperature range	-20~350°C -4°F~662°F	-20°C~350°C -4°F~662°F	-20°C~350°C -4°F~662°F
Temperature accuracy	±2°C or ±2% (whichever is greater)		
Temperature resolution	0.1°C/0.18°F		
Thermal resolution	160×120	160×120	320×240
Temperature coefficient	± 0.1°C or ± 0.1%/°C (whichever is greater)		
Visible light resolution	640×480		
Emissivity	Adjustable (0.01-1.00), 0.98 in default		
Reflectivity	Reflectivity correction (adjustable background temperature)		
Palettes	White hot, iron red, arctic, rainbow 2, hot iron, rainbow 1		
High/low temperature tracking	√		
High/low temperature alarm	√		
Image blending/Picture in picture	—	√	√
WIFI mode	Connects to PC software and mobile phone App		
Lens	11mm	5mm	7mm
Focus	Manual	Focus free	Focus free
FOV	20.6°×15.5°	30°×23°	42.5°×32.5°
NETD	UTi160G: 80mK; UTi160V/UTi320V: ≤60mK		
Image frequency	50Hz		
Digital zoom	UTi160G: ×2; UTi160V/UTi320V: ×2, ×4		



PC analytic software



6-color palette selection

GENERAL CHARACTERISTICS

Power	7.4V 2300mAh Li-ion battery (UTi160V/UTi320V); 3.7V 4200mAh Li-ion battery (UTi160G) (Battery type: continuous work ≥4h)
Display	3.5-inches TFT LCD
Product color	Red and grey
Product net weight	1.8kg (Package)
Product size	258mm x 98mm x 90mm
Standard accessories	Li-ion battery x 2, USB power supply with multi plugs, wrist strap, adaptor ×5, SD card, USB cable, PC software CD
Standard individual packing	Gift box, tool box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	410mm x 265mm x 180mm
Standard carton gross weight	UTi160G: 2.3kg; UTi160V/UTi320V: 2.2kg

Socket Testers

Socket testers are portable devices used for testing the wiring correctness of power outlets, an essential tool for building inspectors. These testers are used widely in homes and commercial buildings. UNI-T's socket testers can speed up the testing process considerably and obtain reliable and accurate information about the status of the sockets being tested.

UT07A/B are efficient testers that check socket wiring, socket ground condition, and socket 30mA leakage protector (UT07B). They are widely used in factories, engineering and homes to avoid electrical equipment damage, line fires, electric shock etc.





● UT07A-AU



● UT07B-AU



● UT07A-EU



● UT07B-EU



● UT07A-UK



● UT07A-IND



● UT07B-IND



● UT07D-IND
(16A socket)

SPECIFICATIONS

	UT07A-AU	UT07B-AU	UT07A-UK	UT07A-IND	UT07B-IND	UT07D-IND	UT07A-EU	UT07B-EU
Operating voltage	240V		230V	220V			230V	
Operating current	<18mA						<18mA	
Operating frequency	50Hz~60Hz			50Hz			50Hz~60Hz	
RCD	—	~30mA	—		~30mA	—		~30mA
Indications	Correct						OK, leakage test passed	
	Missing earth						OK	
	Live earth reverse						Missing earth	
	Live neutral reverse						Missing live	
	Missing neutral						Missing neutral	
	—						Live earth reverse	
	—						Live earth reverse and missing earth	

GENERAL CHARACTERISTICS

Product color	Red and grey
Product net weight	UT07A-AU/UT07B-AU: 58g; UT07A-UK/UT07A-IND: 64g; UT07B-IND: 65.5g; UT07D-IND: 72g; UT07A-EU: 79g; UT07B-EU: 80.5g
Product size	UT07A-UK/UT07A-AU/UT07B-AU: 65mm x 65mm x 40mm UT07A-IND/UT07B-IND/UT07D-IND/UT07A-EU/UT07B-EU: 65mm x 65mm x 61mm
Standard individual packing	Blister, English manual
Standard quantity per carton	UT07A-AU/UT07B-AU/UT07A-IND/UT07B-IND/UT07D-IND/UT07A-EU/UT07B-EU: 48pcs; UT07A-UK: 60pcs
Standard carton measurement	430mm x 330mm x 365mm (0.052 CBM per standard carton)
Standard carton gross weight	UT07A-AU/UT07B-AU: 3.9kg; UT07A-UK: 6.5kg; UT07A-IND/UT07B-IND/UT07D-IND: 6.8kg; UT07A-EU: 5.8kg; UT07B-EU: 5.4kg

Voltage Detectors

UNI-T's voltage detectors are great tools for detecting live voltage in residential and commercial settings. UNI-T has non-contact UL certified pen type detectors (UT11-13).





UT11, UT12, and UT13 series are non-contact AC voltage detectors. They are light weight and convenient to carry due to their pocket size. These voltage detectors can be used in residential, commercial, and industrial settings. These devices can detect electricity when they are close to the live adapters, connection terminals, or wires. UT13 series can also adjust sensitivity, usefully cross different electromagnetic interference environments.

- UT11A/B, UT13A comply with CAT IV 600V; prevent damage caused by transient voltage
- UT12 series, UT13B comply with CAT IV 1000V
- Buzzer (UT11B, UT12B)
- LED indication
- Auto sensing (except UT12A)
- Vibration indication (UT13B, UT12C)
- Adjustable sensitivity (UT13A/B)



SPECIFICATIONS

	UT11A	UT11B	UT12A	UT12B	UT12C	UT13A	UT13B
AC voltage	50V~600V		90V~1000V			24V~600V	50V~1000V
Frequency	50Hz/60Hz						
Buzzer	√	Selectable	√	Selectable	√	√	
Auto power off	—	√	—	√		—	
Low battery indication	≤2V		≤2V		≤1.8V	≤1V	
Operation	Auto		Manual	Auto		Auto	

GENERAL CHARACTERISTICS

Power	UT11A/UT11B/UT12A/UT12B/UT12C: 1.5V battery (R03) x 2; UT13A/UT13B: 1.5V battery (R03) x 1
Product color	Red and grey
Product net weight	UT11A/UT11B: 49g; UT12A/UT12B/UT12C: 50g; UT13A/UT13B: 49g
Product size	150mm x 20mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual
Standard quantity per carton	40pcs
Standard carton measurement	355mm x 240mm x 335mm
Standard carton gross weight	3.74kg

Digital Multimeters

Digital multimeter is a must-have tool for professional electrical engineers, electrical technicians and electronics engineers. Multimeters are tools used to detect and troubleshoot electrical and electronic devices. UNI-T's wide range of multimeter selection guarantees that you can find the most suitable multimeter within your budget that satisfies your needs.



Features	PRO Series		Datalogging	Industrial	TRMS	Modern		Pocket	
	UT195E/M/DS	UT191E/T	UT181A	UT171A/B/C	UT139A/B/C/E/S	UT136B+/C+	UT133A/B	UT125C	UT120A/B/C
Display count	6000	6000	60000	40k/60k/60k	2k/4k/6k/6k/6k	4000	6000	4000	4000
Auto range	●	●	●	●	●	●	●	—	●
Bandwidth	400Hz/1kHz/ 5kHz	40~400Hz	100kHz	100kHz	400Hz/1kHz/1kHz/ 400Hz/400Hz	40~400Hz	40~400Hz	45~400Hz	40~400Hz
True RMS	●	●	●	●	●	—	—	—	—
Special features	3-phase motor test (195M/DS), flashlight (195E/M)	Terminal memory, flashlight	Datalogging	Datalogging, 4-20mA (171B/C)	Battery test (UT139A), VA display (UT139S)	—	Battery test (UT133B)	—	—
Measurements									
DC voltage	1000V	600V	1000V	1000V	600V	1000V	600V	600V	600V
AC voltage	750V								
DC current	20A	20A	10A	10A	10A	10A	10A	400mA	—/—/400mA
AC current							10A/—		
Resistance	60MΩ	60MΩ	60MΩ	40MΩ/60MΩ/ 60MΩ	20MΩ/40MΩ/ 60MΩ/60MΩ/ 60MΩ	40MΩ	60MΩ	40MΩ	40MΩ
Capacitance	60mF	60mF	60mF	40mF/60mF/ 60mF	—/100mF/100mF/ 100mF/100mF	40mF	10mF	100uF	—/100uF/ 100uF
Conductance	—	—	60nS	—/60nS/60nS	—	—	—	—	—
Frequency	10MHz/40MHz/ 40MHz	1MHz	60MHz	10MHz	—/10MHz/10MHz/ 10MHz/10MHz	40MHz	1MHz/—	60kHz	100kHz
Duty cycle	●/—/●	●	●	●	—/●/●/●/●	—	—	●	●
Temperature	—/1000°C/—	—/400°C (high res)	1000°C	—/1000°C/ 1000°C	—/—/1000°C/ 1000°C/1000°C	—/1000°C	1000°C/—	—	—
Diode test	●	●	●	●	●	●	●	●	●
Transistor test	—	—	—	—	—	●	—	—	—
Continuity buzzer	●	●	●	●	●	●	●	●	●
NCV	—	—	—	●/●/—	●	●/—	●	●	—
Data/Transmission									
MAX/MIN	●	●	●	●	●	—	—	—	—
AVG	—	—	●	●	—	—	—	—	—
Relative mode	●	●	●	●	●	—	●	—	●
Peak hold	—/—/●	●	●	—/●/●	—	—	—	—	—
USB	—	—	●	—	—	—	—	—	—
Bluetooth®	—	—	●	—	—	—	—	—	—
VFC/LPF	—/—/●	LPF	LPF	VFC	VFC/LPF	—	—	—	—
Display									
AC+DC	—/—/●	—	●	—/●/●	—	—	—	—	—
Analog bar	●/—/●	●	●	●	—/—/—/●/●	—	—	—	—
Data hold	●	●	●	●	●	●	●	●	●
Auto power off	●	●	●	●	●	●	●	●	●
LCD backlight	Auto	Auto	Adjustable	●	●	●	●	●	—
Other Features									
Input alarm	●	●	●	●	—/—/—/●/●	●	●	—	—
Input impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	10MΩ~1GΩ	≥10MΩ	≈ 10MΩ	≥10MΩ	≥10MΩ
Category ratings	195E/M: CAT III 1000V 195E/M/DS: CAT IV 600V	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 600V	CAT II 1000V CAT III 600V	CAT III 600V	CAT III 600V	CAT II 600V
IP rating	IP65	IP65	IP65	—	—	—	—	—	—
Drop test	2m	2m	1m	1m	1m	2m	2m	1m	1m

Features	Pen	Automotive	Digital	Scope	Intelligent	Modern	General	Palm Size (600V)	
	UT118A/B	UT105/107/109	UT89X/XD	UT81B/C	UT71A/B/C/D/E	UT61A/B/C/D/E	UT58A/B/C/D/E	UT39A+/C+	UT33A+/B+/C+/D+
Display count	3000	2000/2000/4000	6000	4000	20000/20000/ 40000/40000/ 40000	4000/4000/6000/ 6000/22000	2000/2000/2000/ 2000/20000	4000	2000
Auto range	●	-/-/●	-	●	●	●	-	-	●/-/-/-
Bandwidth	40~400Hz	-	45Hz~1kHz	8/16MHz	100kHz	400Hz/400Hz/ 1kHz/3kHz/ 10kHz	-	40~400Hz	40~400Hz
True RMS	-	●	-	-	●	-/-/-/●/●	-	-	-
Special features	-	Dwell/Tach	Audible and visual alarm, LED/Live test, flashlight	Datalogging	4-20mA (A/B/C/D), datalogging (B/C/D/E), power measurement (E)	-	-	-	-
Measurements									
DC voltage	600V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	600V
AC voltage	-	750V/750V/1000V	1000V	750V	1000V	750V	750V/750V/750V/ 1000V/1000V	750V	-
DC current	-	10A	20A	10A	10A	10A	20A	10A	10A
AC current	-	-/-/10A	-	-	-	-	-	-	10A/-/-/-
Resistance	30MΩ	20MΩ/20MΩ/ 40MΩ	60MΩ	40MΩ	20MΩ/20MΩ/ 40MΩ/40MΩ/ 40MΩ	40MΩ/40MΩ/ 60MΩ/60MΩ/ 220MΩ	200MΩ/200MΩ/ 20MΩ/20MΩ/ 200MΩ	200MΩ/ 40MΩ	200MΩ/20MΩ/ 20MΩ/200MΩ
Capacitance	3mF	-/-/100μF	100mF	100μF	20mF/20mF/ 40mF/40mF/ 40mF	4mF/4mF/4mF/ 4mF/220mF	100μF/100μF/ 100μF/100μF/ 20μF	10mF	2mF/-/-/-
Frequency	-	-/2kHz/1MHz	10MHz	10MHz	200MHz/200MHz/ 400MHz/400MHz/ 400MHz	10MHz/10MHz/ 10MHz/10MHz/ 220MHz	-/-/20kHz/ -/20kHz	-/1MHz	-
Duty cycle	-	-/●/-	●	●	●	●	-	-	-
Temperature	-	-/1000°C/537°C	1000°C/-	-	-/1000°C/1000°C/ 1000°C/1000°C	-/1000°C/1000°C/ -/-	-/1000°C/1000°C/ -/1000°C	-/1000°C	-/-/1000°C/-
Diode test	●	●	●	●	●	●	●	●	●
Transistor test	-	-	●	-	-	●/-/-/-/-	●	●	-
Continuity buzzer	●	●	●	●	●	●	●	●	●
NCV	-	-	Professional NCV	-	-	●/-/-/-/-	-	-/●	-/-/-/●
Data/Transmission									
MAX/MIN	●	-/-/●	-	-	●	●/●/●/●/-	-	-	-
Relative mode	-	-	●	●	●	●	-	●	-
Peak hold	-	-	-	-	-	-/-/-/-/●	-	-	-
USB	-	-/-/●	-	●	●	-	-	-	-
RS-232	-	-/-/●	-	-	-	-/●/●/●/●	-	-	-
Bluetooth®	-	-	-	-	●	-	-	-	-
Display									
AC+DC	-	-	-	-	●	-	-	-	-
Analog bar	-	-	-	-	●	●/-/-/-/●	-	-	-
Data hold	●	●	-	●	●	●	●	●	●
Auto power off	-	-/-/●	●	●	●	●/●/●/-/-	●	●	●
LCD backlight	●	-/-/●	●	●	●	●/●/●/●/-	-	●	●
Other Features									
Input alarm	-	-	●	-	●	-	-	●	●
Input impedance	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≥10MΩ	≈10MΩ	≈10MΩ
Category ratings	CAT III 300V	UT105/107: CAT II 1000V CAT III 600V UT109: CAT III 1000V CAT IV 600V	CAT II 1000V	CAT II 1000V	CAT III 1000V	CAT III 1000V	CAT II 1000V	CAT II 1000V	CAT II 600V
Drop test	1m	1m	1m	1m	1m	1m	1m	2m	2m



● UT195DS

UT195 series are handheld industrial digital multimeters with **IP65** and **2m drop proof**. It can be applied in mines, oilfields and other harsh environments. Compare with traditional multimeters, UT195's troubleshooting capability, resolution, and precision are improved to find issues related to motor drive, factory equipment maintenance, electrical distribution, and repair etc. It is exquisitely designed and easy to operate.



SPECIFICATIONS

	Range	UT195E	UT195M	UT195DS
DC voltage (V)	1000V	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
AC voltage (V)	750V	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
AC+DC	600V			±(1.5%+4)
LoZ ACV	600V	±(2%+3)	±(2%+3)	±(2%+3)
DC current (A)	20A	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
AC current (A)	20A	±(1%+3)	±(1%+3)	±(1%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance	60mF	±(3%+5)	±(3%+5)	±(3%+5)
Frequency	60Hz~10MHz	±(0.1%+4)		
	60Hz~40MHz		±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)	N/A	±(2%+5)
Temperature (°C)	-40°C~1000°C		±(1.5%+4)	
Temperature (°F)	-40°F~1832°F		±(2%+5)	

Features

Display count		6000	6000	6000
Display interface (LCD)		Single	Single	Dual
Measurement sampling rate	times/s	3	3	5
Analog bar sampling rate	times/s	10		20
Analog bar	31 sections	√		√
True RMS		√	√	√
AC voltage frequency response		45~400Hz	45~1kHz	45~5kHz
AC current frequency response		45~400Hz	45~1kHz	45~5kHz
3-phase motor sequence test	600V		√	√
Low pass filter	1kHz 3dB attenuation			√
Diode/Continuity test		3.5V	3V	3V
Peak hold	250μs			√
Auto/Manual range	√			
Continuity buzzer	√			
Low battery indication	√			
Data hold/Auto power off	√			
MAX/MIN	√			
Function selection	√			
Flashlight/Auto backlight	√			

GENERAL CHARACTERISTICS

Power	9V battery
LCD size	66mm x 51mm
Product color	Red and grey
Product net weight	437g
Product size	195mm x 95 mm x 58mm
Standard accessories	Test probes, battery, carrying bag, point contact temperature probe (UT195M)
Standard individual packing	Gift box, English manual
Standard quantity per carton	6pcs
Standard carton measurement	580mm x 375mm x 215mm
Standard carton gross weight	7.2kg



● UT191E



● UT191T

- Measurement setting saved after power reset
- IP65, 2m drop proof
- True RMS/Peak value measurement
- Auto backlight
- 20A current measurement
- LoZ AC measurement
- Precise temperature measurement with resolution of 0.1°C (UT191T)

SPECIFICATIONS

	Range	UT191E	UT191T
DC voltage (V)	600V	±(0.5%+3)	±(0.5%+3)
AC voltage (V)	600V	±(0.7%+3)	±(0.7%+3)
LoZ ACV (V)	600V	±(2%+5)	±(2%+5)
ACV LPF	600V	±(2%+5)	±(2%+5)
DC current (A)	20A	±(0.8%+3)	±(0.8%+3)
AC current (A)	20A	±(1%+3)	±(1%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	60mF	±(3%+5)	±(3%+5)
Frequency (Hz)	10Hz~1MHz	±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)
Temperature (°C)	-40°C~400°C (0.1°C resolution)		±(1%+20)
Temperature (°F)	-40°F~752°F (0.2°F resolution)		±(1%+40)
ACV peak hold		±(2%+100)	±(2%+100)
Peak current detection		±(3%+100)	±(3%+100)

Features

Display count	6000
Sampling rate	3 times/second
Analog bar graph	31 sections
True RMS	√
AC voltage frequency response	45Hz~400Hz
AC current frequency response	45Hz~400Hz
Diode/Continuity test	√
Auto/Manual range	√
Auto power off	√
Low battery indication	√
Data hold/MAX/MIN	√
Function selection (SELECT)	√
Flashlight/Auto backlight	√
2m drop test/IP65	√

GENERAL CHARACTERISTICS

Power	9V battery
LCD size	58mm x 42mm
Product color	Red and grey
Product net weight	428g
Product size	180mm x 87mm x 59mm
Standard accessories	Test lead, battery, carrying bag, point contact temperature probe (UT191T)
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	545mm x 315mm x 335mm
Standard carton gross weight	8.8kg



● UT-D07A

iDMM APP

- Available to download at Apple Store and Google Play Store
- Supports Android 4.3 and higher versions
- Supports iOS 5 and higher versions
- Designed to work with UT-D07A Bluetooth Adaptor
- Applicable to UT181, UT171, and UT71 series digital multimeter
- Landscape and graphical views
- 3 operation modes

- Description: Bluetooth 4.0 communication protocol
- Support: iOS 6.0 or above, Android 4.0 or above
- Application: UT71, UT171, UT181 series
- Power: 1.5V battery (R03) x 2



iOS



Android



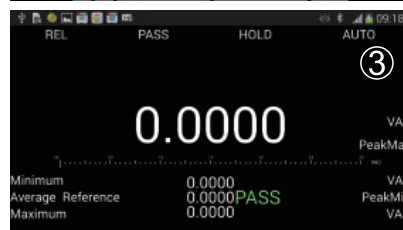
- 1) Real-time mode:
Users can stream real-time result from multimeter and view through smart phone
- 2) Datalogging mode:
Users can set up different conditions for logging data on smart phone
- 3) Data transfer mode:
Users can upload the data stored in multimeter memory and display on smart phone



①



②



③

Diagram 1: Real-time data stream between UT181A and smart phone
Diagram 2: Landscape view of iDMM
Diagram 3: Graphical view of iDMM



UT181A is a digital multimeter with trend capture, true RMS, low pass filter, nS conductance, dual temperature measurement, and more. With the help of the datalogging feature, users can store up to 20000 sets of measurement data and display them on a trend graph for long term monitoring.



- Smart phone APP: iDMM
- Works with UT-D07A Bluetooth adaptor
- Download from Apple Store or Google Play Store



● UT-D07A

SPECIFICATIONS

	Range	UT181A
DC voltage (V)	1000V	±(0.025%+5)
AC voltage (V)	1000V	±(0.3%+30)
DC current (A)	10A	±(0.08%+10)
AC current (A)	10A	±(0.6%+20)
Resistance (Ω)	60MΩ	±(0.05%+2)
Admittance (nS)	60nS	±(2%+10)
Capacitance (F)	60mF	±(2%+5)
Frequency (Hz)	10Hz~60MHz	±(0.01%+5)
Temperature (°C)	-40°C~1000°C	±(1%+30)
Temperature (°F)	-40°F~1832°F	±(1.5%+50)

Features

Display count		60000
Auto/Manual range		√
Bandwidth (Hz)	100kHz	√
AC+DC/Continuity buzzer		√
Low pass filter	1kHz	√
dBV/dBm		√
Diode	Around 3V	√
Duty cycle	10%~90%	√
Dual temperature measurement	T1, T2, T1-T2, T2-T1	√
Data hold/Peak hold		√
Relative mode		√
Data logging	20000	√
Trend capture		√
MAX/MIN/AVG		√
Data time display/Data comparison		√
Backlight adjustment		√
Analog bar graph/USB interface		√
Mis-plug alarm		√
Battery indication/Auto power off		√
Rechargeable battery		√
Input protection		√
Input impedance for DCV	≥10MΩ	√

GENERAL CHARACTERISTICS

Power	Li-ion battery: 7.4V 2200mAh
Display	3.5-inch 64K color TFT LCD (320 x 240)
Product color	Red and grey
Product net weight	638.6g
Product size	225mm x 103mm x 59mm
Standard accessories	Battery, test leads, temperature adaptor socket, point contact temperature probes, power adaptor socket, power adaptor, PC software CD, USB interface cable
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	20pcs
Standard carton measurement	480mm x 385 mm x 505mm
Standard carton gross weight	25.3kg
Optional accessories	Bluetooth adaptor (UT-D07)



● UT171C

UT171 series are industrial grade multimeters used by professionals. Its built-in square wave output is useful for troubleshooting industrial control signals. Its LoZ (ACV) feature can be used to identify residual (ghost) voltage in large capacitors. UT171C's OLED display is perfect for working in low temperatures down to -30°C.

- AC+DC measurement (UT171B/C)
- Peak hold (UT171B/C)
- Rechargeable battery (UT171B/C)
- VFC low-pass filtering
- USB/Bluetooth communication



- Smart phone APP: iDMM
- Works with UT-D07A Bluetooth adaptor
- Download from Apple Store or Google Play Store



● UT-D07A

SPECIFICATIONS

	Range	UT171A	UT171B	UT171C
DC voltage (V)	1000V	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.4%+40)	±(0.4%+40)	±(0.4%+40)
DC current (A)	10A	±(0.15%+2)	±(0.15%+2)	±(0.15%+2)
AC current (A)	10A	±(0.75%+5)	±(0.75%+5)	±(0.75%+5)
Resistance (Ω)	40MΩ	±(0.05%+2)		
	60MΩ		±(0.05%+2)	±(0.05%+2)
Admittance (nS)	60nS		±(1%+10)	±(1%+10)
Capacitance (F)	40mF	±(2.5%+40)		
	60mF		±(2.5%+40)	±(2.5%+40)
Frequency (Hz)	10Hz~10MHz	±(0.01%+5)	±(0.01%+5)	±(0.01%+5)
Temperature (°C)	-40°C~1000°C		±(1%+30)	±(1%+30)
Temperature (°F)	-40°F~1832°F		±(1.5%+50)	±(1.5%+50)

Features

	UT171A	UT171B	UT171C
Display count	40000	60000	60000
Auto/Manual range	√	√	√
True RMS	√	√	√
Bandwidth (Hz)	100kHz	√	√
4~20mA loop		√	√
LoZ (ACV)	Around 3kΩ	√	√
Diode	Around 3V	√	√
Continuity buzzer	√	√	√
Duty cycle	0.1%~99.9%	√	√
NCV/Data hold/MAX/MIN	√	√	√
Relative mode	√	√	√
Data storage	1000	9999	9999
Display type	LCD	EBTN	OLED
Analog bar graph	31	31	31
LCD backlight	√	√	√
Mis-plug alarm	√	√	√
Low battery indication	√	√	√
Auto power off	√	√	√
Input protection	√	√	√
Input impedance for DCV	Around 1GΩ	√	√

GENERAL CHARACTERISTICS

Power	UT171A: 1.5V battery (R03) x 6; UT171B/C: 7.4V 2000mAh Li-ion battery
Display	UT171A: 70.6mm x 49.5mm UT171B/C: 70.6mm x 35.3mm
Product color	Red and grey
Product net weight	384g
Product size	206mm x 95mm x 55mm
Standard accessories	Batteries, test leads, point contact temperature probe, USB interface cable, power adaptor (UT171B/C), PC software CD
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	5pcs
Standard carton measurement	390mm x 310mm x 205mm (0.55CBM per standard carton)
Standard carton gross weight	5.6kg
Optional accessories	Bluetooth adaptor (UT-D07)

UT139 series are CAT III 600V digital multimeters designed for electricians. Its NCV feature can effectively check electrical status through measuring EM field intensity. The new UT139E/S models include special features such as LoZ (ACV) for measuring 'ghost' voltage. Its built-in 31-segment analog bar also gives electricians a better visual representation of measurement results. UT139S is built with black EBTN display and it is a perfect meter for working in dark environments.



● UT139C



● UT139S

SPECIFICATIONS

	Range	UT139A	UT139B	UT139C	UT139E	UT139S
DC voltage (V)	600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	600V	±(1%+3)	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
DC current (A)	10A	±(0.7%+2)	±(0.7%+2)	±(0.7%+2)	±(0.7%+2)	±(0.7%+2)
AC current (A)	10A	±(1%+3)	±(1%+3)	±(1%+3)	±(1%+3)	±(1%+3)
Resistance (Ω)	20MΩ	±(1%+2)				
	40MΩ		±(0.8%+2)			
	60MΩ			±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	99.99mF		±(4%+5)	±(4%+5)	±(4%+5)	±(4%+5)
Frequency (Hz)	10Hz~10MHz		±(0.1%+4)	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature (°C)	-40 °C~1000°C			±(1%+3)	±(1%+4)	±(1%+4)
Temperature (°F)	-40°F~1832°F			±(1.5%+5)	±(1.5%+5)	±(1.5%+5)

Features

Display count		2000	4000	6000	6000	6000
Auto range/Manual range/True RMS		√	√	√	√	√
Bandwidth (Hz)		45Hz~400Hz	45Hz~1kHz	45Hz~1kHz	45Hz~400Hz	45Hz~400Hz
NCV/Continuity buzzer		√	√	√	√	√
Duty cycle	0.1%~99.9%		√	√	√	√
Diode		Around 2V	Around 3V	Around 3V	Around 3V	Around 3V
LPF/LoZ (ACV)					√	√
Analog bar					√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 2
Display	58mm x 36mm
Product color	Red and grey
Product net weight	UT139A/B/C: 354g; UT139E/S: 345g
Product size	170mm x 80mm x 48mm
Standard accessories	UT139A/B: Batteries, test leads; UT139C/E/S: Batteries, test leads, temperature probe
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	450mm x 330mm x 340mm
Standard carton gross weight	12.2kg
Optional accessories	UT139C: Current sensor AC/DC 40A



● UT136C+

- Measures up to 1000V and 10A AC/DC voltage and current
- Equipped with 3mm protective sleeve; 2 meters drop proof
- Large LCD display; Overload alarm
- Quick sampling rate, up to 4 times/s
- Quick capacitor measurement (measures 1mF in 4 seconds)
- Low power consumption and auto power saving function; long battery service life (>500hrs)

SPECIFICATIONS

	Range	UT136B+	UT136C+
DC voltage (V)	1000V	±(0.7%+3)	±(0.7%+3)
AC voltage (V)	1000V	±(1%+3)	±(1%+3)
DC current (A)	10A	±(1%+3)	±(1%+3)
AC current (A)	10A	±(1.2%+5)	±(1.2%+5)
Resistance (Ω)	40MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	40mF	±(3%+5)	±(3%+5)
Frequency (Hz)	400Hz~40mHz	±(0.1%+4)	±(0.1%+4)
Temperature (°C)	-40~1000°C		±(1%+4)
Temperature (°F)	-40~1832°F		±(1.5%+5)

Features

Display count		4000	4000
hFE	Transistor measurement	√	√
NCV	Non-contact voltage detection	√	
Diode/transistor		√	√
Continuity buzzer		√	√
Data hold/Auto power off		√	√
Low battery/Indication		√	√
LCD backlight		√	√
Safety rating	CAT II 1000V, CAT III 600V	√	√
Drop test	2m	√	√



GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 2
Display	56.5mm x 36mm
Product color	Red and grey
Product net weight	330g
Product size	175mm x 83mm x 53mm
Standard accessories	Batteries, test leads, temperature probe (UT136C+)
Standard individual packing	Gift Box, English manual
Standard quantity per carton	30pcs
Standard carton measurement	390mm x 335mm x 340mm
Standard carton gross weight	12.75kg



Patent pending



● UT133A



● UT133B

- Over voltage/current audible alarm
- High voltage warning
- Auto power off (can be disabled)
- Low power consumption
- Fast and accurate capacitance measurement
- 2m drop proof

■ SPECIFICATIONS

	Range	UT133A	UT133B
DC voltage (V)	600mV/6000mV/60V/600V	±(0.5%+3)	±(0.5%+3)
AC voltage (V)	600V	±(0.7%+3)	±(1.2%+3)
DC current (A)	600uA/60mA/600mA/10A	±(1%+3)	±(1%+2)
AC current (A)	10A	±(1.2%+3)	
Resistance (Ω)	600Ω/6000Ω/60kΩ/600kΩ/60MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999μF/99.99μF/999.9μF/9.999mF	±(4%+5)	±(4%+5)
Frequency (Hz)	10.00Hz~1.000MHz	±(0.1%+5)	
Temperature (°C)	-40°C~1000°C	±(1%+4)	
Temperature (°F)	-40°F~1832°F	±(1.5%+5)	

Features

Display count		6000	6000
Range selection		Auto	Manual
Diode		√	√
Continuity buzzer		√	√
Battery test	Tests 1.5V and 9V batteries and displays 'good', 'low', 'bad' status		√
NCV		√	√
LCD backlight		√	√
Test probe holder		√	√
Data hold		√	√
Low battery indication		√	√
Overload indication		√	√



	GOOD	LOW	BAD
1.5V	>1.3V	0.95~1.3V	<0.95V
9V	>7.7V	5.7~7.7V	<5.7V

● Battery status chart

■ GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	56.8mm x 36.1mm
Product color	Red and grey
Product net weight	255g (with batteries)
Product size	155mm x 76.5mm x 49mm
Standard accessories	Manual, test leads, K-type thermocouple (UT133A)
Standard individual packing	Gift box, English manual
Standard quantity per carton	350mm x 335mm x 318mm
Standard carton measurement	30pcs
Standard carton gross weight	12.5kg



UT125C is a pocket size, ergonomic and reliable multimeter with 4000 display counts. It is a useful tool for electronics DIYers working with low currents (< 0.4A). This product is CE/cETLus certified and complies with CAT III 600V.



SPECIFICATIONS

	Range	UT125C
DC voltage (V)	600V	±(0.5%+5)
AC voltage (V)	600V	±(1.2%+5)
DC current (A)	400mA	±(1.8%+5)
AC current (A)	400mA	±(2%+8)
Resistance (Ω)	40MΩ	±(1%+5)
Capacitance (F)	100μF	±(4%+10)
Frequency (Hz)	10Hz~60kHz	±(0.1%+5)
Duty cycle	20%~80%	Reference

Features

NCV		√
Diode test/Continuity test		√
Low battery indication		√
Data hold/Auto power off		√
Operating temperature	0°C~50°C	

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	38mm x 23mm
Product color	Red and grey
Product net weight	180g
Product size	112mm x 58mm x 35mm
Standard accessories	Batteries
Standard individual packing	Gift box, English manual
Standard quantity per carton	60pcs
Standard carton measurement	500mm x 290mm x 280mm
Standard carton gross weight	13.1kg



● UT120C

UT120 series multimeters are designed for DIYers and electronics engineers to troubleshoot electronics systems development and electronics circuits. It is a simple and portable multimeter for every electronics engineer.



SPECIFICATIONS

	Range	UT120A	UT120B	UT120C
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)
AC voltage (V)	600V	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC current (A)	400mA			±(1%+3)
AC current (A)	400mA			±(1.5%+5)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	100μF		±(4%+3)	±(4%+3)
Frequency (Hz)	10MHz	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)

Features

Display count		4000	4000	4000
Auto range		√	√	√
Duty cycle	0.1%~99.9%	√	√	√
Diode		√	√	√
Auto power off	Around 30 minutes	√	√	√
Continuity buzzer		√	√	√
Low battery indication	≤2.4V	√	√	√
Data hold		√	√	√
Relative mode		√	√	√
Input impedance for DCV	Around 10MΩ	√	√	√

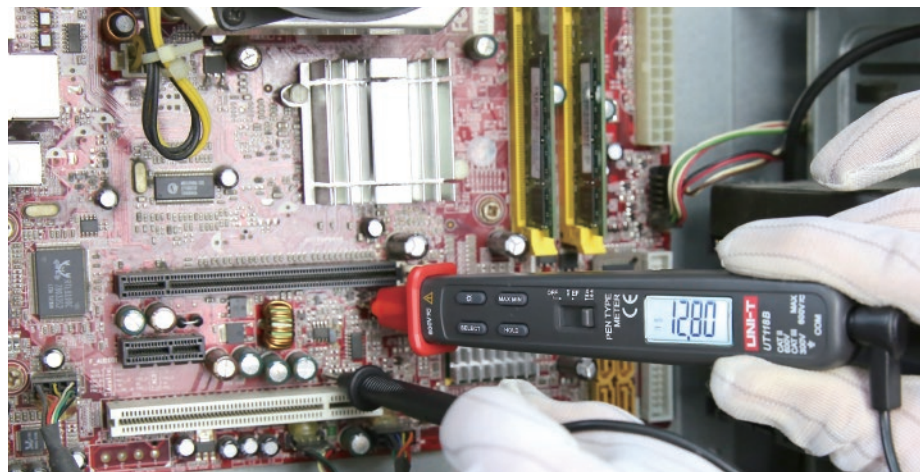
GENERAL CHARACTERISTICS

Power	3V battery (CR2032)
Display	43mm x 22mm
Product color	Red and grey
Product net weight	76g
Product size	110mm x 58.2mm x 10.8mm
Standard accessories	Battery, carrying case
Standard individual packing	Blister, English manual
Standard quantity per carton	100pcs
Standard carton measurement	750mm x 275mm x 490mm (0.1CBM per export carton)
Standard carton gross weight	20kg





● UT118B



UT118 series pen type multimeters are light and durable. This meter has a fast sampling rate of 4 times/s, which can quickly capture measurement readings. It is a cost-effective product customized for home appliance repair and DIYers.

■ SPECIFICATIONS

	Range (SCAN Mode)	Range (AUTO Mode)	UT118A	UT118B
DC voltage (V)	300V	300V	±(1%+3)	±(1%+3)
AC Voltage (V)	300V	300V	±(1%+4)	±(1%+4)
Resistance (Ω)	3MΩ	30MΩ	±(1%+3)	±(1%+3)
Capacitance (F)	300μF	3mF	±(3%+5)	±(3%+5)

Features

Display count		3000	3000
Auto range		√	√
EF function			√
Diode		√	√
Auto power off	Around 10 minutes	√	√
Continuity buzzer		√	√
Low battery indication		√	√
Data hold		√	√
MAX/MIN		√	√
LCD backlight		√	√
Penlight		√	√
Input impedance for DCV	≥10MΩ	√	√

■ GENERAL CHARACTERISTICS

Power	3V battery (CR2032)
Display	28mm x 14mm
Product color	Red and grey
Product net weight	90g
Product size	20mm x 27mm x 182mm
Standard accessories	Battery, test lead
Standard individual packing	Blister, English manual
Standard quantity per carton	40pcs
Standard carton measurement	535mm x 205mm x 287mm
Standard carton gross weight	7.1kg



● UT107



● UT109

UT100 series is specially designed for automobiles diagnostic. It combines RPM, DWELL, and other multimeter functions. The series is useful for automobile maintenance personnel to diagnose traditional vehicles and hybrid electric vehicles. Its applications include working on fuse, switch, solenoid, relay, charging system, fuel system, engine sensing etc.

- Diode/Data hold
- Continuity buzzer
- Low battery indication
- Input protection

■ SPECIFICATIONS

	Range	UT105	UT107	UT109
DC voltage (V)	200mV/2V/20V/200V/1000V	±(0.5%+5)		
	200mV/2V/20V/1000V		±(0.5%+2)	
	1000V			±(0.5%+3)
AC voltage (V)	2V/20V/200V/750V	±(0.8%+5)		
	200V/750V		±(0.8%+5)	
	1000V			±(1%+3)
DC current (A)	200mA/10A	±(0.8%+5)	±(0.8%+5)	
	10A			±(1%+2)
AC current (A)	10A			±(1.2%+5)
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ	±(0.8%+5)		
	200Ω/2kΩ/20kΩ/200kΩ/20MΩ		±(0.8%+5)	
	40MΩ			±(1%+5)
Capacitance (F)	100μF			±(3%+5)
Frequency (Hz)	2kHz		±(2%+5)	
	10Hz~1MHz			±(0.1%+4)
Temperature (°C)	-40°C~1000°C		±(2%+8)	
	-40°C~537°C			±(1%+10)

Features

Display count		2000	2000	4000
Manual range		√	√	
Auto range				√
Battery test	12V		±(3%+5)	
Duty cycle	1%~90%		±(4%+5)	
Auto power off				√
MAX/MIN/RS-232				√
LCD backlight				√
USB interface				√
Input impedance for DCV	Around 10MΩ	√	√	√
Dwell/Tach	4CYL/6CYL/8CYL	±(3%+5)	±(3%+5)	±(3%+5)

■ GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	UT105/UT107: 60mm x 54mm; UT109: 65mm x 43mm
Product color	Red and grey
Product net weight	UT105/UT107: 351g (including holster); UT109: 370g
Product size	UT105/UT107: 179mm x 88mm x 39mm; UT109: 180mm x 87mm x 47mm
Standard accessories	UT105: Battery, test leads, holster UT107: Battery, test leads, holster, point contact temperature probe UT109: Battery, test leads, alligator clip, RS-232 interface cable, PC software CD, point contact temperature probe, multi-purpose socket
Standard individual packing	Gift box, English manual
Standard quantity per carton	UT105/UT109: 20pcs; UT107: 40pcs
Standard carton measurement	UT105: 450mm x 330mm x 340mm; UT107: 645mm x 450mm x 340mm UT109: 465mm x 335mm x 365mm
Standard carton gross weight	UT105: 5.9kg; UT107: 22.86kg; UT109: 14.7kg
Optional accessory	UT109: USB interface cable



Patent pending

SPECIFICATIONS

	Range	UT89X	UT89XD
DC voltage (V)	600mV/6V/60V/600V/1000V	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	6V/60V/600V/1000V	±(0.8%+5)	±(0.8%+5)
DC current (A)	60μA/60mA/600mA/20A	±(0.8%+8)	
	60μA/6mA/60mA/600mA/20A		±(0.8%+8)
AC current (A)	60mA/600mA/20A	±(1%+12)	±(1%+12)
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(0.8%+3)	±(0.8%+3)
Capacitance (F)	6nF/60nF/600nF/6μF/60μF/600μF/6mF/60mF/100mF	±(2.5%+20)	±(2.5%+20)
Frequency (Hz)	9.999Hz/9.999MHz	±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)
Temperature (°C)	-40°C~1000°C	±(2%+4)	
Temperature (°F)	-40°F~1832°F	±(2%+8)	

Features

Display count		6000	6000
Sampling rate		3 times/s	3 times/s
True RMS		√	√
AC voltage frequency response		45~1000Hz	45~1000Hz
AC current frequency response		45~1000Hz	45~1000Hz
Live wire test		√	
LED test			√
Audible/visual alarm	V/A/Cap/Diode/hFE/NCV/Live (UT89X)/LED (UT89XD)		
Diode/Continuity test		√	√
Transistor hFE		√	√
Dual range NCV test		√	√
Auto power off		√	√
Low battery indication		√	√
Data hold		√	√
Function selection	SELECT	√	√
Flashlight		√	√
Auto backlight		√	√

- 1000V AC/DC; 20A AC/DC
- True RMS, 6000 count
- Dual range NCV test which quickly identifies neutral and live wires through light intensity
- LED measurement (UT89XD)
- Audible/visual alarm
- Capacitor charging indicator
- Ergonomic design
- Double injection molding
- 1m drop proof
- Flashlight; Auto backlight



● UT89X

Capacitor Measurement

	Fully charged
	Charging in progress

LED Test (UT89XD only)

	Normal LED, forward voltage within 11.1V DC
	LED not working

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 4
Display	61mm x 36mm
Product color	Red and grey
Product net weight	345g
Product size	189mm x 89mm x 53mm
Standard accessories	Batteries, test lead, k-type temperature probe (UT89X)
Standard individual packing	Gift box, English manual
Standard quantity per carton	40pcs
Standard carton measurement	490mm x 450mm x 340mm
Standard carton gross weight	23.5kg



● UT81C

UT81 series handheld digital oscilloscope multimeters combine oscilloscope and digital multimeter in one. Oscilloscope measurement mode includes signal input, data processing, auto measure, waveform storage, and transfer. Multimeter mode features AC/DC voltage and current, resistance, diode, continuity, frequency, duty ratio, and capacitance.



SPECIFICATIONS

	Range	UT81B	UT81C
DMM Specifications			
DC voltage (V)	1000V	±(0.8%+8)	±(0.8%+8)
AC voltage (V)	750V	±(1%+15)	±(1%+15)
DC current (A)	10A	±(1%+8)	±(1%+8)
AC current (A)	10A	±(1.5%+8)	±(1.5%+8)
Resistance (Ω)	40MΩ	±(1%+5)	±(1%+5)
Capacitance (F)	100μF	±(3%+8)	±(3%+8)
Frequency (Hz)	10Hz~10MHz	±(0.1%+3)	±(0.1%+3)
Scope Specifications			
Bandwidth		8MHz	16MHz
Sampling rate		40MS/s	80MS/s
Vertical accuracy		±(5%+1)	±(5%+1)
Vertical sensitivity	20mV/div~500V/div (1-2-5)	√	√
Time-base accuracy		±(0.01%+1)	±(0.01%+1)
Time-base range		UT81B: 100ns/div -5s/div (1-2-5) UT81C: 50ns/div - 5s/div(1-2-5)	
Features			
Display count		4000	4000
Auto range		√	√
Duty cycle	0.1~99.9%	√	√
Diode		√	√
Auto power off		√	√
Continuity buzzer		√	√
Display	160 x 160 monochrome	√	√
Trigger types	Auto run/Normal/Single shot	√	√
Memory	10 screens and setups	√	√
Contrast and brightness setup		√	√
Low battery indication		√	√
USB interface		√	√
LCD backlight		√	√
Input impedance for DCV	Around 10MΩ	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 4
Display	60mm x 60mm
Product color	Red and grey
Product net weight	498g
Product size	200mm x 100mm x 48mm
Standard accessories	Batteries, test lead, alligator clip, USB interface cable, PC software CD
Standard individual packing	Gift box, English manual
Standard quantity per carton	12pcs
Standard carton measurement	485mm x 450mm x 260mm (0.057CBM per standard carton)
Standard carton gross weight	UT81B: 23kg; UT81C: 16.4kg
Optional accessories	Scope probe, AC power adaptor



● UT71E

UT71 series can quickly solve complex problems on electronics, factory automation, distribution and electronic engineering equipment. The device can display AC + DC at the same time to quickly identify problem locations. UT71 series can set upper and lower limits, a very useful feature for improving electronics mass production inspection and screening efficiency.

- Adjustable data recording interval (UT71B/C/D/E)
- True RMS, duty cycle, continuity buzzer
- MAX/MIN/REL modes; peak/data hold; analog bar graph
- Measure AC and DC at the same time (dual display)
- 4-20mA loop test (UT71B/C/D/E)
- 45Hz~100kHz frequency response
- LCD backlight; misplug alarm
- Auto power off, low battery indication
- Data logging
- Auto and manual ranges selectable
- USB interface, Bluetooth
- 2500W power measurement (UT71E)
- Temperature measurement, k-type (UT71B/C/D/E)



- Smart phone APP: iDMM
- Works with UT-D07A Bluetooth adaptor
- Download from Apple Store or Google Play Store

SPECIFICATIONS

	Range	UT71A	UT71B	UT71C	UT71D	UT71E
DC voltage (V)	1000V	±(0.1%+8)	±(0.05%+5)	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.8%+40)	±(0.6%+40)	±(0.4%+30)	±(0.4%+30)	±(0.4%+30)
DC current (A)	10A	±(0.2%+20)	±(0.15%+20)	±(0.1%+15)	±(0.1%+15)	±(0.1%+15)
AC current (A)	10A	±(1%+15)	±(0.8%+15)	±(0.7%+15)	±(0.7%+15)	±(0.7%+15)
Resistance (Ω)	20MΩ	±(0.5%+20)	±(0.4%+20)			
	40MΩ			±(0.3%+8)	±(0.3%+8)	±(0.3%+8)
Capacitance (F)	20mF	±(1.5%+20)	±(1.2%+20)			
	40mF			±(1%+20)	±(1%+20)	±(1%+20)
Frequency (Hz)	20Hz~200MHz	±(0.1%+15)	±(0.1%+15)			
	40Hz~400MHz			±(0.01%+8)	±(0.01%+8)	±(0.01%+8)
Temperature	-40°C~1000°C		±(1%+30)	±(1%+30)	±(1%+30)	±(1%+30)
	-40°F~1832°F		±(1.5%+50)	±(1.5%+50)	±(1.5%+50)	±(1.5%+50)
Display count		20000	20000	40000	40000	40000

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	73mm x 50mm
Product color	Red and grey
Product net weight	384g
Product size	200mm x 93mm x 40mm
Standard accessories	Battery, test leads, alligator clip, test clips, USB interface cable, PC software CD, carrying bag, point contact temperature probe (UT71B/UT71C/UT71D/UT71E), power adaptor (UT71E)
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	UT71A/UT71B/UT71C/UT71D: 515mm x 380mm x 205mm; UT71E: 540mm x 360mm x 275mm
Standard carton gross weight	UT71A/UT71B/UT71C/UT71D: 9kg; UT71E: 12.5kg



UT61 series complies with CE, ETL, and GS standards. This series is all auto range with selectable True RMS models (UT61D/E). This series has an abundant of features and is combined with high safety rating of CAT IV 600V. It is suitable for advanced electronics and electrical users.

- Auto range
- MAX/MIN/REL mode
- Auto power off (UT61A/B/C/D)
- LCD backlight (UT61A/B/C/D)
- RS-232 and USB interface (UT61B/C/D/E)
- Analog bar graph
- NCV (UT61A)
- Low battery indication
- True RMS (UT61D/E)
- EF (Electric Field) detection (UT61A)
- Transistor measurement (UT61A)
- Peak value/hold (UT61E)
- K-type temperature probe (UT61B/C)
- Diode/continuity buzzer
- Data hold
- Input protection



● UT61E

SPECIFICATIONS

	Range	UT61A	UT61B	UT61C	UT61D	UT61E
DC voltage (V)	1000V	±(0.5%+1)	±(0.5%+1)	±(0.5%+1)	±(0.5%+1)	±(0.1%+2)
AC voltage (V)	750V	±(1%+3)	±(1%+3)	±(1%+3)	±(1%+3)	±(0.8%+10)
DC current (A)	10A	±(1%+2)	±(1%+2)	±(1%+3)	±(1%+3)	±(0.5%+10)
AC current (A)	10A	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(0.8%+10)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)			
	60MΩ			±(1%+2)	±(1%+2)	
	220MΩ					±(0.5%+10)
Capacitance (F)	4000μF	±(3%+5)	±(3%+5)	±(3%+5)	±(3%+5)	
	220mF					±(3%+5)
Frequency (Hz)	10Hz~10MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)	
	10Hz~220MHz					±(0.01%+5)
Temperature	-40 °C~1000°C		±(1.2%+3)	±(1.2%+3)		
	-40°F~1832°F		±(1.2%+4)	±(1.2%+4)		
Features						
Display count		4000	4000	6000	6000	22000
Bandwidth (Hz)		45Hz~400Hz	45Hz~400Hz	45Hz~1kHz	45Hz~3kHz	45Hz~10kHz
Duty cycle	0.1%~99.9%	√	√	√	√	√

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	65mm x 43mm
Product color	Red and grey
Product net weight	370g
Product size	180mm x 87mm x 47mm
Standard accessories	Battery, test leads, multi-purpose socket, RS-232 interface cable (UT61B/UT61C/UT61D/UT61E), PC software CD (UT61B/UT61C/UT61D/UT61E), point contact temperature probe (UT61B/UT61C)
Standard individual packing	Gift box, English manual
Standard quantity per carton	22pcs
Standard carton measurement	455mm x 335mm x 375mm
Standard carton gross weight	UT61A: 12.7kg; UT61B: 13.97kg; UT61C: 13kg; UT61D: 14.5kg; UT61E: 12.9kg
Optional accessories	UT61B/UT61C/UT61D/UT61E: USB interface cable



UT58 series is a safe and reliable manual range digital multimeter that is easy to operate. Its large 60mm x 54mm LCD screen conveniently displays measurement results. This series digital multimeter satisfies a variety of applications in both electronics and electrical fields.

- 2000 display count, refresh rate 2~3 times/s (UT58A/B/C/D)
- 20000 display count, 0.05% accuracy (UT58E)
- Function symbols and test lead connection indication
- Transistor measurement
- Inductance measurement (UT58D)
- Temperature measurement mode, with K-type temperature probe (UT58B/C/E)
- Frequency measurement (UT58C/E)
- Diode and continuity buzzer; auto power off; overload protection
- Data hold; 20A AC/DC current measurement



● UT58E

SPECIFICATIONS

	Range	UT58A	UT58B	UT58C	UT58D	UT58E
DC voltage (V)	200mV/2V/20V/200V/1000V	±(0.5%+1)	±(0.5%+1)	±(0.5%+1)		±(0.05%+3)
	200mV/20V/200V/1000V				±(0.5%+1)	
AC voltage (V)	2V/20V/200V/750V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)		
	2V/200V/1000V				±(0.8%+3)	
	2V/20V/200V/1000V					±(0.5%+10)
DC current (A)	20μA/2mA/20mA/200mA/20A	±(0.8%+1)				
	2mA/20mA/200mA/20A		±(0.8%+1)			
	2mA/200mA/20A			±(0.8%+1)	±(0.8%+1)	±(0.5%+5)
AC current (A)	2mA/200mA/20A	±(1%+3)	±(1%+3)	±(1%+3)	±(1%+3)	
	20mA/200mA/20A					±(0.8%+10)
Resistance (Ω)	200Ω/2kΩ/20kΩ/2MΩ/20MΩ/200MΩ	±(0.8%+1)	±(0.8%+1)			
	200Ω/2kΩ/20kΩ/2MΩ/20MΩ			±(0.8%+1)		
	200Ω/2kΩ/200kΩ/2MΩ/20MΩ				±(0.8%+1)	
	200Ω/2kΩ/20kΩ/2MΩ/200MΩ					±(0.3%+1)
Capacitance (F)	2nF/200nF/100μF	±(4%+3)	±(4%+3)	±(4%+3)		
	20nF/200nF/2μF/100μF				±(2.5%+5)	
	2nF/20nF/2μF/20μF					±(3%+40)
Inductance (H)	2mH/20mH/200mH/20H				±(2%+10)	
Frequency (Hz)	2kHz/20kHz			±(1.5%+5)		
	20kHz					±(1.5%+5)
Temperature (°C)	-40 °C~1000°C		±(1%+3)	±(1%+3)		±(1%+30)

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	60mm x 54mm
Product color	Red and grey
Product net weight	350g
Product size	179mm x 88mm x 39mm
Standard accessories	Battery, test leads, holster, multi-purpose socket, test clips (UT58D/UT58E) point contact temperature probe (UT58B/UT58C/UT58E)
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	450mm x 330mm x 340mm (0.11CBM per standard carton)
Standard carton gross weight	12kg



UT39+ series modern digital multimeters are portable devices designed for the electrical industry. They feature overvoltage and overcurrent alarm and high voltage protection, triggered during faulty operation. UT39C+ is suitable for HVACR maintenance with its temperature measurement feature. Designed according to CAT II 1000V/CAT III 600V safety standards.



SPECIFICATIONS

	Range	UT39A+	UT39C+
DC voltage (V)	400mV/4V/40V/400V/1000V	±(0.5%+5)	±(0.5%+5)
AC voltage (V)	4V/40V/400V/750V	±(0.8%+3)	±(0.8%+3)
DC current (A)	40uA/400uA/4mA/40mA/400mA/10A	±(0.8%+3)	
	400uA/400mA/10A		±(0.8%+3)
AC current (A)	40mA/400mA/10A	±(1%+2)	
	4mA/400mA/10A		±(1%+2)
Resistance (Ω)	400Ω/4000Ω/40kΩ/400kΩ/4MΩ/200MΩ	±(0.8%+2)	
	400Ω/4000Ω/40kΩ/400kΩ/4MΩ/40MΩ		±(0.8%+2)
Capacitance (F)	4nF/40nf/400nF/4uF/40uF/400uF/4mF/10mF	±(4%+5)	±(4%+5)
Frequency (Hz)	10Hz~1MHz		±(1%+4)
Temperature	-40°C~1000°C		±(1%+4)
	-40°F~1832°F		±(1.5%+5)

Features

Display count		4000	4000
Transistor hFE		√	√
NCV			√
Diode		√	√
Frequency response	40Hz~400Hz	√	√
Range selection		Manual	Manual
Continuity test		√	√
Data hold		√	√
Backlight		√	√
Low battery indication		√	√
Auto power off		√	√

GENERAL CHARACTERISTICS

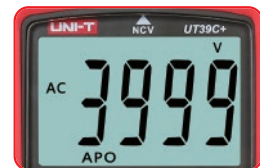
Power	1.5V battery (R03) × 2
Display	56.5mm x 36mm
Product color	Red and grey
Product net weight	330g
Product size	175mm x 83mm x 53mm
Standard accessories	Test leads, temperature probe (UT39C+)
Standard individual packing	Gift box, English manual
Standard quantity per carton	30pcs
Standard carton measurement	390mm x 355mm x 340mm
Standard carton gross weight	14.5kg



● UT39C+



Super soft Insulator, meter is able to withstand 2m drop



Large screen



High quality dial



Collapsible support

UT33+ Series Palm Size Multimeters



Patent pending

The new generation UT33+ series redefines the performance standards for entry-level digital multimeters. Our innovative industrial design ensures that these products can withstand 2 meters drop. The new LCD display layout provides a better user experience. This series ensures that users can work safely in CAT II 600V environment. Special features are, 2mF capacitance test (UT33A+); battery test (UT33B+); temperature measurement function (UT33C+); non-contact voltage (NCV) test (UT33D+).

- Clear LCD display
- Comfortable protective cover, with test lead hanging groove
- 2 meters drop test, precision protection
- Loud buzzer sound; Ergonomic design
- Unique battery test feature: Displays 'good', 'low', and 'bad' statuses when testing 1.5V/9V/12V batteries (UT33B+)



● UT33A+

SPECIFICATIONS

	Range	UT33A+	UT33B+	UT33C+	UT33D+
DC voltage (V)	200mV/2V/20V/200V/600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	600V	±(0.7%+3)			
	200V/600V		±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC current (A)	10A	±(1%+2)			
	200μA/200mA/10A		±(1%+2)		
	2000μA/20mA/200mA/10A			±(1%+2)	±(1%+2)
AC current (A)	10A	±(1.2%+3)			
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ	±(0.8%+2)			
	200Ω/2kΩ/20kΩ/200kΩ/20MΩ/200MΩ				±(0.8%+2)
	200Ω/2kΩ/20kΩ/200kΩ/20MΩ		±(0.8%+2)	±(0.8%+2)	
Capacitance (F)	2mF	±(4%+8)			
Temperature	-40°C~1000°C			±(1%+4)	
	-40°F~1832°F			±(1.5%+5)	

Features

Display count		2000	2000	2000	2000
Auto power off/Auto backlight off		√	√	√	√
Diode test/Continuity buzzer		√	√	√	√
2m drop test/ Test probe holder		√	√	√	√
Range selection		Auto	Manual	Manual	Manual
Battery test			1.5V/9V/12V		
NCV					√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	66mm x 51mm
Product color	Red and grey
Product net weight	206g (batteries included)
Product size	134mm x 77mm x 47mm
Standard accessories	Batteries, test leads, k-type thermocouple (UT33C+)
Standard individual packing	Gift box, English manual
Standard quantity per carton	60pcs
Standard carton measurement	640mm x 310mm x 350mm
Standard carton gross weight	UT33A+: 18.6kg; UT33B+: 19.4kg; UT33C+: 20.6kg; UT33D+: 19.8kg

Digital Clamp Meters

Clamp meter is a handheld device with multimeter functions and able to measure AC/DC current directly without breaking the electrical conductor. Today's clamp meters are multi-functional designed and used in HVAC/R, electrical vehicles, electrical installation, motor inspection, engineering R&D, and many other applications. UNI-T clamp meters are well known for its performance, practicality, and reliability.



Clamp Meter Selection

Features	Mini	High Res Mini	400A	600A TRMS	PRO Series
	UT210A/B/C/D/E	UT211B	UT213A/B/C	UT216A/B/C/D	UT219E/M/DS
AC current	200A/200A/200A/ 200A/100A	60A	400A	600A	600A
DC current	-/-/-/200A/100A		-/-/400A	-/-/600A/600A	-/-/600A
Display count	2000	6000	4000	6000	6000
Frequency response	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz/400Hz	40Hz~400Hz (40Hz~ 1kHz for UT219DS voltage)
Jaw opening	17mm	17mm	30mm	30mm	33mm
True RMS	-/●/●/●/●	●	●	●	●
Inrush current	-	-	-	-/-/●/●	-/-/●
Resolution	1mA/1mA/10mA/ 10mA/1mA	0.1mA	1mA/1mA/10mA	1mA/10mA/10mA/10mA	10mA/100mA/100mA
Manual range	●/●/-/-/-	-	-	-	-
Auto range	-/-/●/●/●	●	●	●	●
Measurement					
AC voltage	-/-/600V/600V/600V	600V	600V	750V	1000V
DC voltage				1000V	
Resistance	-/-/20MΩ/20MΩ/20MΩ	60MΩ	40MΩ	60MΩ	60MΩ
Capacitance	-/-/20mF/20mF/20mF	62mF	100uF/40mF/40mF	60mF	60mF
Temperature	-/-/1000°C/1000°C/-	-	-/1000°C/1000°C	-/-/1000°C/1000°C	-
Frequency	-/-/-/60kHz/-	-	1MHz	-/1MHz/1MHz/1MHz	10MHz/40MHz/40MHz
Diode test	-/-/●/●/●	●	●	●	●
Continuity buzzer	-/-/●/●/●	●	●	●	●
Duty cycle	-	-	●	-	●/-/●
NCV	-/-/●/●/●	●	●	●	-
Data/Transmission					
MAX	-/●/●/-/-	-	-/●/●	●	●
MIN	-/●/●/-/-	-	-	●	●
Relative mode	-/●/●/-/-	-	●	●	●
VFC	-/-/-/-/●	●	-	-/●/●/●	-
Zero mode	-/-/-/●/●	●	-	-/-/●/●	●
Current output	-	-	-/●/●	-	-
Display					
Data hold	●	●	●	●	●
Auto power off	●	●	●	●	●
Flashlight	-	-	●	●	-
LCD backlight	●	●	●	●/●/●/-	Auto backlight
Analog bar	-	-	-	-/-/●/●	●
Other features					
Input protection	●	●	●	●	●
Input impedance	-/-/>10MΩ/>10MΩ/>10MΩ	>10MΩ	>10MΩ	>10MΩ	>10MΩ
Category ratings	CAT II 600V	CAT II 600V	CAT III 600V	CAT II 1000V	CAT IV 600V
	CAT III 300V	CAT III 300V		CAT III 600V	CAT III 1000V
IP rating	-	-	-	-	IP54
Drop test	1m	1m	1m	1m	2m

Clamp Meter Selection

Features	400~600A		1000A			2000A
	UT201/202/202A	UT203/204A	UT205A/206A	UT207/208/209	UT207A/208A/209A	UT220/221/222
AC current	400A/400A/600A	400A/600A	1000A	1000A	1000A	2000A/2000A/2500A
DC current	—		—			—/2000A/2500A
Display count	2000	4000	4000	6600	4000	2000/6600/6600
Frequency response	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz	50Hz~60Hz
Jaw opening	28mm	28mm	40mm	55mm	55mm	63mm
True RMS	—	—	—	●	-/-/●	-/●/●
Inrush current	—	—	—	●/●/-	—	-/●/●
Resolution	1mA/1mA/10mA	10mA	0.1A	10mA	10mA	0.1A
Manual range	-/●/●	●	—	—	●	—
Auto range	●/●/-	●	●	●	●	●
Measurement						
AC voltage	600V	600V	600V	600V	750V	750V/750V/1000V
DC voltage					1000V	1000V
Resistance	20MΩ	40MΩ	40MΩ	66MΩ/66MΩ/40MΩ	40MΩ	20MΩ/66MΩ/60MΩ
Capacitance	—	-/100uF	—	—	-/100uF/-	-/-/60mF
Temperature	-/1000°C/-	-/1000°C	-/1000°C	-/1000°C/-	-/1000°C/-	-/-/1000°C
Frequency	—	10MHz	10MHz	66MHz/66MHz/40MHz	10MHz	-/20MHz/60MHz
Diode test	●	●	●	●	●	●
Continuity buzzer	●	●	●	●	●	●
Duty cycle	—	●/-	●/-	●	●	-/●/●
Data/Transmission						
MAX	●	-/●	—	●	—	●
MIN	-/-/●	—	—	●	—	-/●/●
Relative	—	●	-/●	—	—	-/●/●
Low pass filter	—	—	—	—	—	-/●/●
Data storage	—	—	—	—	—	-/-/●
Zero mode	—	—	—	●	●	—
Current output	—	—	—	—	—	-/●/●
Display						
Data hold	●	●	●	●	●	●
Auto power off	●	●	●	●	●	●
LCD backlight	—	—	●	●	●	●
Analog bar	—	—	—	-/-/●	—	-/●/●
Other features						
Input impedance	10MΩ	10MΩ	10MΩ	10MΩ	10MΩ	>10MΩ
Category ratings	CAT II 600V	CAT II 600V	CAT II 600V	CAT II 600V	CAT II 600V	CAT III 1000V
	CAT III 300V	CAT III 300V	CAT III 300V	CAT III 300V	CAT III 300V	CAT IV 600V
Drop test	1m	1m	1m	1m	1m	1m



● UT210E

UT210 series mini clamp meters are designed to work well in limited space environments. These are essential tools for mechanical and electrical equipment maintenance, home appliance installation and electrician duties.

- VFC, low pass filter (UT210E)
- NCV (UT210B/C/D/E)
- MAX/MIN (UT210B/C)
- Ergonomic and lightweight
- Auto range, 2~3 times/s sampling rate
- True RMS (UT210B/C/D/E)
- ZERO mode (UT210D/E)
- LCD backlight, data hold
- Auto power off, low battery indication
- Relative mode (UT210B)



SPECIFICATIONS

	Range	UT210A	UT210B	UT210C	UT210D	UT210E
AC current (A)	200A	±(2.5%+20)	±(2.5%+20)	±(2%+10)	±(2.5%+8)	
	100A					±(2.5%+5)
DC current (A)	200A				±(2%+3)	
	100A					±(2%+3)
AC voltage (V)	600V			±(1%+3)	±(1%+3)	±(1%+3)
DC voltage (V)	600V			±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
Resistance (Ω)	20MΩ			±(1%+2)	±(1%+2)	±(1%+2)
Frequency (Hz)	60kHz				±(0.1%+4)	
Capacitance (F)	20mF			±(4%+5)	±(4%+5)	±(4%+5)
Temperature	-40~1000°C			±(1%+3)	±(1%+3)	
	-40~1832°F			±(1.5%+5)	±(1.5%+5)	

Features

Display count		2000	2000	2000	2000	2000
Auto range		√	√	√	√	√
Continuity buzzer				√	√	√
Jaw opening		16mm	16mm	17mm	17mm	17mm
Diode test	Around 3.0V			√	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	39.3mm x 26.5mm
Product color	Red and grey
Product net weight	UT210A/B: 150g (batteries included); UT210C/D/E: 170g
Product size	UT210A/B: 158mm x 60mm x 33.5mm; UT210C/D/E: 175mm x 60mm x 33.5mm
Standard accessories	Batteries, test leads (UT210C/UT210D/UT210E), point contact temperature probe (UT210C/UT210D)
Standard individual packing	Gift box, English manual, carrying bag (UT210C/UT210D/UT210E)
Standard quantity per carton	40pcs
Standard carton measurement	UT210A/B: 345mm x 245mm x 300mm; UT210C/D/E: 385mm x 345mm x 305mm
Standard carton gross weight	UT210A/B: 8kg; UT210C: 14.8kg; UT210D: 8.2kg; UT210E: 13.6kg



● UT211B



UT211B 60A mini clamp meter is a high precision tool designed with the resolution of 0.1mA. UT211B is perfect for anyone requiring high precision and accurate results when working with electronics, such as troubleshooting solar power systems current load, electrical cars, etc. It is ergonomically designed and also lightweight, making it a convenient tool for working in tight spaces.

SPECIFICATIONS

	Range	UT211B
AC current (A)	60A (0.1mA resolution)	±(1.5%+10)
DC current (A)	60A	±(2%+3)
AC voltage (V)	600V	±(0.8%+3)
DC voltage (V)	600V	±(0.7%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)
Capacitance (F)	62mF	±(4%+5)
Features		
Display count		6000
Auto range		√
True RMS		√
Diode test	Around 3.0V	√
V.F.C.		√
NCV		√
Data hold		√
Zero mode		√
LCD backlight		√
Auto power off	Around 15 minutes	√
Continuity buzzer		√
Low battery indication	≤2.5V	√
Input protection		√
Input impedance for DCV	≥10MΩ	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	39.3mm x 26.5mm
Product color	Red and grey
Product net weight	170g
Product size	175mm x 60mm x 33.5mm
Standard accessories	Batteries, test leads
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	40pcs
Standard carton measurement	385mm x 345mm x 305mm
Standard carton gross weight	12.9kg



● UT213C



UT213 series is 400A digital clamp meter with CAT III 600V safety standards. These meters are designed for electricians and HVAC/R technicians. The built-in flashlight also makes these meters useful tools when working in dark environments.

SPECIFICATIONS

	Range	UT213A	UT213B	UT213C
AC current (A)	400A	±(1.8%+9)	±(1.8%+9)	±(2.5%+5)
DC current (A)	400A			±(2%+3)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+3)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	100μF	±(4%+5)		
	40mF		±(4%+5)	±(4%+5)
Frequency	10Hz~1MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature	-40°C~1000°C		±(1%+3)	±(1%+3)
	-40°F~1832°F		±(1%+6)	±(1%+6)

Features

	UT213A	UT213B	UT213C
Display count	4000	4000	4000
Auto range	√	√	√
Jaw opening	30mm	30mm	30mm
True RMS		√	√
Diode	Around 1.5V	Around 3.0V	Around 3.0V
NCV	√	√	√
Data hold	√	√	√
Relative mode	√	√	√
MAX/MIN		√	√
LCD backlight	√	√	√
Flashlight	√	√	√
Auto power off	√	√	√
Continuity buzzer	√	√	√
Low battery indication	≤3.6V	√	√
Input protection	√	√	√
Input impedance for DCV	≥10MΩ	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	38mm x 24mm
Product color	Red and grey
Product net weight	UT213A/B: 280g; UT213C: 231.7g
Product size	220mm x 75mm x 40mm
Standard accessories	Batteries, test leads (UT213B/UT213C), point contact temperature probe (UT213B/UT213C)
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	40pcs
Standard carton measurement	485mm x 345mm x 385mm
Standard carton gross weight	UT213A: 18.2kg; UT213B: 19.6kg; UT213C: 19.4kg



● UT216D

UT216 series digital clamp meters are designed for measuring high frequency currents (up to 400Hz) in railways and aerospace, server rooms, IT systems, etc. Its double injection design gives users a more comfortable grip and enhanced durability. UT216's 6000 count display also provides more precise readings for users.



SPECIFICATIONS

	Range	UT216A	UT216B	UT216C	UT216D
AC current (A)	600A	±(2.5%+5)	±(2.5%+5)	±(2.5%+5)	±(2.5%+5)
AC current frequency response		50/60Hz	40~400Hz	40~400Hz	40~400Hz
DC current (A)	600A			±(2.5%+5)	±(2.5%+5)
AC voltage (V)	750V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)
AC voltage frequency response		40~400Hz	40~400Hz	40~400Hz	45~400Hz
DC voltage (V)	1000V	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)
Resistance (Ω)	60MΩ	±(1%+2)	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	60mF	±(4%+5)	±(4%+5)	±(4%+5)	±(4%+5)
Frequency (Hz)	10Hz~1MHz		±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature	-40°C~1000°C			±(2%+5)	±(2.5%+3)
	-40°F~1832°F			±(2%+10)	±(2.5%+6)

Features

	UT216A	UT216B	UT216C	UT216D
Display count	6000	6000	6000	6000
Auto range	√	√	√	√
Jaw opening	30mm	30mm	30mm	30mm
True RMS	√	√	√	√
Diode	Around 3.0V	√	√	√
V.F.C.		√	√	√
NCV	√	√	√	√
Data hold	√	√	√	√
Relative mode	√	√	√	√
MAX/MIN	√	√	√	√
LCD backlight	√	√	√	
Inrush current			√	√
OLED display				√
Analog bar graph			61	21
Flashlight	√	√	√	√
Auto power off	√	√	√	√
Continuity buzzer	√	√	√	√
Low battery indication	≤3.6V	√	√	√
Input protection		√	√	√
Input impedance for DCV	≥10MΩ	√	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	38mm x 24mm
Product color	Red and grey
Product net weight	UT216A: 280g; UT216B/C/D: 231.7g
Product size	220mm x 75mm x 40mm
Standard accessories	Batteries, test leads, point contact temperature probe (UT216C/UT216D)
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	40pcs
Standard carton measurement	485mm x 345mm x 385mm
Standard carton gross weight	UT216A: 20.6kg; UT216B: 19.3kg; UT216C: 20.1kg; UT216D: 20.3kg



● UT219DS

UT219 series is 600A true RMS professional clamp meter with CAT IV 600V rating. It is industrially designed with IP54 rating and able to withstand 2 meters drop test for measurement in harsh environments. This series is suitable for professional electricians, HVAC/R and motor service technicians.

- LoZ input for ghost voltage measurement
- Flashlight and auto backlight
- 3-phase motor sequence test (UT219M/DS)
- Temperature and μA measurements (flame sensor) (UT219M/DS)
- Inrush current (UT219DS)
- AC+DC voltage (UT219DS)
- V+A dual display (UT219DS)

SPECIFICATIONS

	Range	UT219E	UT219M	UT219DS
AC current (A)	600A	$\pm(1.8\%+6)$	$\pm(1.8\%+6)$	$\pm(1.8\%+6)$
DC current (A)	600A			$\pm(1.8\%+6)$
AC voltage (V)	1000V	$\pm(1\%+6)$	$\pm(1\%+6)$	$\pm(1\%+6)$
DC voltage (V)	1000V	$\pm(0.6\%+3)$	$\pm(0.6\%+3)$	$\pm(0.6\%+3)$
LoZ ACV	600V	$\pm(2.5\%+6)$	$\pm(2.5\%+6)$	$\pm(2.5\%+6)$
Resistance (Ω)	60M Ω	$\pm(1\%+3)$	$\pm(1\%+3)$	$\pm(1\%+3)$
Capacitance (F)	60mF	$\pm(4\%+7)$	$\pm(4\%+7)$	$\pm(4\%+7)$
Frequency (Hz)	10Hz~10MHz	$\pm(0.1\%+6)$		
	600Hz~40MHz		$\pm(0.1\%+5)$	$\pm(0.1\%+6)$
Duty cycle	0.1% ~ 99.9%	$\pm(2.6\%+7)$		$\pm(2.6\%+7)$
Temperature	-40~1000°C		$\pm(2\%+5^\circ\text{C})$	$\pm(2\%+5^\circ\text{C})$
	-40~1832°F		$\pm(2\%+9^\circ\text{F})$	$\pm(2\%+9^\circ\text{F})$

Features

Display count		6000	6000	6000
Auto/Manual range		√	√	√
Jaw opening		33mm	33mm	33mm
True RMS		√	√	√
AC current frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~400Hz
AC voltage frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~1kHz
3-phase motor sequence test	600V		√	√
Low pass filter	1kHz, 3db attenuation			√
V+A displays voltage and current at the same time				√
Diode test		3V	3V	3V
Measurement sampling rate		3 times/s	3 times/s	5 times/s
Analog bar sampling rate		10 times/s		20 times/s
Analog bar		31 segment		31 segment
Display interface (LCD)		Single	Single	Dual
Auto power off/MAX/MIN		√	√	√
Low battery indication		√	√	√
Data hold (H)/Relative mode (REL)		√	√	√
ZERO mode		√	√	√
Function selection (SELECT)		√	√	√
Auto backlight/2m drop test		√	√	√
IP rating		IP54	IP54	IP54
Input impedance	$\geq 10\text{M}\Omega$	√	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	35mm x 31mm
Product color	Red and grey
Product net weight	310g
Product size	234.6mm x 82mm x 47mm
Standard accessories	Test leads, batteries, carrying bag, PC software CD, point contact temperature probe (UT219M/UT219DS)
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	490mm x 295mm x 330mm
Standard carton gross weight	UT219E: 8kg; UT219M/UT219DS: 8.2kg



This series is UNI-T's entry level digital clamp meter. It is a great choice for measuring residential and commercial power wires. UT202 and UT204A come with point contact temperature probe, perfect for working in HVAC.

- Relative mode for capacitance zeroing and offset adjustment (UT203/204A)
- Auto range
- Data hold/auto power off
- MAX mode (UT201/202/202A)
- Point contact temperature probe (UT202/204A)
- 3 times/s sampling rate
- Duty cycle (UT203)
- Capacitance measurement up to 100uF (UT204A)
- Low battery/over-range indication and auto polarity display

SPECIFICATIONS

	Range	UT201	UT202	UT202A	UT203	UT204A
AC current (A)	400A	±(1%+9)	±(1%+9)		±(2.5%+5)	
	600A			±(1.5%+5)		±(2.5%+5)
DC current (A)	400A				±(2%+3)	
	600A					±(2%+5)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1%+5)	±(1%+5)
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)
Resistance (Ω)	20MΩ	±(1%+2)	±(1%+2)	±(1%+2)		
	40MΩ				±(1%+2)	±(1%+2)
Capacitance (F)	100μF					±(4%+3)
Frequency (Hz)	10Hz~10MHz				±(0.1%+3)	±(0.5%+3)
Temperature	-40°C~1000°C		±(1%+7)			±(2.5%+3)
	-40°F~1832°F		±(1%+8)			
Display count		2000	2000	2000	4000	4000
Auto range		√	√	√	√	√

GENERAL CHARACTERISTICS

Power	UT201/UT202: 1.5V battery (R03) x 2; UT202A/UT203/UT204A: 9V battery (6F22)
Display	35.6mm x 18mm
Product color	Red and grey
Product net weight	UT201/UT202/UT202A: 220g; UT203/UT204A: 260g
Product size	UT201/UT202/UT202A: 210mm x 75.6mm x 30mm; UT203/UT204A: 208mm x 76mm x 30mm
Standard accessories	Batteries, test leads, carrying bag, point contact temperature probe (UT202/UT204A)
Standard individual packing	Gift box, English manual
Standard quantity per carton	48pcs
Standard carton measurement	485mm x 320mm x 385mm
Standard carton gross weight	UT201: 16.2kg; UT202: 16.4kg; UT202A/UT203: 16.5kg; UT204A: 17kg



● UT206A

UT205A/206A are professional 1000A digital clamp meters with 40mm jaw. This series is ergonomically designed, allowing better handling for users wearing electrical gloves. UT205A/206A are great choices for electricians and other professionals in need of measuring up to 1000A AC current.



■ SPECIFICATIONS

	Range	UT205A	UT206A
AC current (A)	1000A	±(1.5%+5)	±(1.5%+5)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)
Frequency (Hz)	10Hz~10MHz	±(0.1%+3)	±(0.1%+3)
Temperature (°C)	-40 °C~1000°C		±(2%+8)
Features			
Display count		4000	4000
Auto range		√	√
Jaw opening		40mm	40mm
Duty cycle	0.1%~99.9%	√	
Diode test		√	√
Auto power off		√	√
Continuity buzzer		√	√
Low battery indication		√	√
Data hold		√	√
Relative mode			√
LCD backlight		√	√
Full icon display		√	√
Input impedance for DCV	Around 10MΩ	√	√

■ GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	37mm x 18mm
Product color	Red and grey
Product net weight	350g
Product size	236mm x 97mm x 40mm
Standard accessories	Battery, test leads, carrying bag, point contact temperature probe (UT206A)
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	525mm x 360mm x 380mm
Standard carton gross weight	14.4kg



● UT209A

These 1000A AC/DC digital clamp meters are stable, safe and reliable with low power consumption. Its full range overload protection and unique appearance design make these clamp meters the ideal tool for maintenance and repair of electrical and power lines up to 1000A AC.

- 1000A AC/DC current measurement, 3 times/s sampling rate
- Auto/manual ranges selectable (UT207A/UT208A/UT209A)
- True RMS (UT207/UT208/UT209/UT209A)
- Analog bar graph (UT209)
- Inrush current (UT207/UT208)
- Zeroing function
- Full icon display (UT207/UT208/UT209)
- MAX/MIN (UT207/UT208/UT209)
- LCD backlight (UT207A/UT208A/UT209A)
- Data hold; Duty cycle (except UT209)
- Auto power off and low battery indication
- Point contact temperature probe (UT208/UT208A)
- Diode; Continuity buzzer; Input Impedance for DCV

SPECIFICATIONS

	Range	UT207	UT208	UT209	UT207A	UT208A	UT209A
AC current (A)	1000A	±(2%+8)	±(2%+8)	±(2%+8)	±(2%+2)	±(2%+2)	±(2%+2)
DC current (A)	1000A	±(1.5%+8)	±(1.5%+8)	±(1.5%+8)	±(1.5%+5)	±(1.5%+5)	±(1.5%+5)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)			
	750V				±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)			
	1000V				±(0.8%+1)	±(0.8%+1)	±(0.8%+1)
Resistance (Ω)	40MΩ			±(1%+2)	±(1%+2)	±(1%+2)	±(1%+2)
	66MΩ	±(1%+2)	±(1%+2)				
Capacitance (F)	100μF					±(4%+3)	
Frequency (Hz)	10MHz				±(0.1%+3)	±(0.1%+3)	±(0.1%+3)
	40MHz			±(0.1%+3)			
	66MHz	±(0.1%+3)	±(0.1%+3)				
Temperature	-40°C~1000°C		±(1%+3)			±(2.5%+3)	
	-40°F~1832°F		±(1%+6)				

GENERAL CHARACTERISTICS

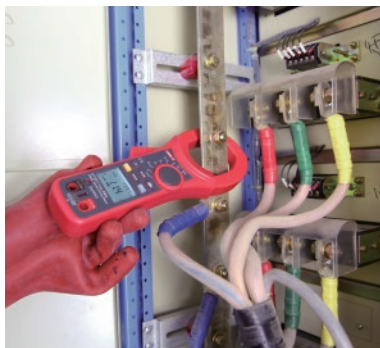
Power	9V battery (6F22)
Display	47mm x 30mm
Product color	Red and grey
Product net weight	533g
Product size	286mm x 105mm x 45mm
Standard accessories	Battery, test leads, tool box, point contact temperature probe (UT208/UT208A)
Standard individual packing	Gift box, English manual
Standard quantity per carton	UT207/UT208/UT209: 5pcs; UT207A/UT208A/UT209A: 20pcs
Standard carton measurement	UT207/UT208/UT209: 480mm x 372mm x 315mm UT207A/UT208A/UT209A: 600mm x 370mm x 474mm
Standard carton gross weight	UT207/UT208/UT209: 11kg; UT207A/UT208A/UT209A: 28.3kg





● UT221

UT220 series are 2000A AC/DC digital clamp meters. This series ensures stable performance, safety, and reliability for measuring up to 2000A AC (and DC for UT221) current. It is designed with over-load protection for all ranges, perfect for all professionals measuring currents up to 2000A (2500A for UT222).



SPECIFICATIONS

	Range	UT220	UT221	UT222
AC current (A)	2000A	±(2.5%+5)	±(2.5%+5)	
	2500A			±(1.5%+5)
DC current (A)	2000A		±(2.5%+5)	
	2500A			±(1.5%+5)
AC voltage (V)	750V	±(1.2%+5)	±(1.2%+5)	
	1000V			±(1%+3)
DC voltage (V)	1000V	±(0.8%+1)	±(0.8%+1)	±(0.5%+2)
	20MΩ	±(1%+2)		
Resistance (Ω)	60MΩ			±(1%+2)
	66MΩ		±(1%+2)	
Capacitance (F)	60mF			±(3%+5)
Frequency (Hz)	20MHz		±(0.1%+3)	
	60MHz			±(0.1%+3)
Temperature	-40°C~1000°C			±(1%+10)
	-40°F~1832°F			±(1%+18)

Features

	UT220	UT221	UT222
Display count	2000	6000	6000
Auto range/Diode	√	√	√
Jaw opening	63mm	63mm	63mm
True RMS (AC voltage/AC current)		√	√
Duty cycle	10%~90%	√	√
Continuity buzzer	√	√	√
AC+DC			√
Low pass filter		√	√
Inrush current	AC current	√	√
Relative mode		√	√
Data hold/MAX	√	√	√
MIN/I-OUT function		√	√
Data storage			1000
Analog bar graph		66	61
Full icon display	√	√	√
Low battery indication	√	√	√
Input impedance	≥10MΩ	√	√

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	43mm x 30mm
Product color	Red and grey
Product net weight	UT220: 389g; UT221/UT222: 726g
Product size	298mm x 107mm x 47mm
Standard accessories	Test leads, output cable (UT221/UT222), thermocouple (UT222)
Standard individual packing	Gift box, carrying bag (UT220), tool box (UT221/UT222), English manual
Standard quantity per carton	UT220: 40pcs; UT221/UT222: 5pcs
Standard carton measurement	UT220: 645mm x 600mm x 330mm UT221/UT222: 510mm x 375mm x 320mm
Standard carton gross weight	UT220: 30.1kg; UT221: 12.1kg; UT222: 11.9kg

Electrical Power Tools

UNI-T's electrical meters offer practical solutions for insulation resistance, leakage current, power quality monitoring, electrical equipment control, and more. Applications include: SCADA system, energy management system, distribution box, substations, industrial automation, etc.





● UT233

UT233/UT243 are intelligent, handheld and stable power and harmonics clamp meters, with functions of digital ammeter and power meter. These can measure voltage, current, active/reactive power, power factor, phase angle and more. UT243 series can measure single harmonic components up to 20 times. They can be applied in power equipment/supply, circuit measurement, and grid power quality evaluation.



SPECIFICATIONS

	Range	UT233	UT243
AC current (A)	1000A	±(2%+5)	±(2%+5)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)
Frequency (Hz)	40Hz~80Hz		±(0.5%+5)
	20Hz~500Hz	±(0.5%+5)	
Active power (W)	0.01kW~600kW	±(3%+5)	±(3%+5)
Apparent power (VA)	0.01kVA~600kVA	±(3%+5)	±(3%+5)
Reactive power (VAR)	0.01kVAr~600kVAr	±(4%+5)	±(4%+5)
Power factor	0.3~1	±0.022	±0.022
Phase angle (°)	0°~360°	±1°	±2°
Active energy (Wh)	1kWh~9999kWh	±(3%+2)	±(3%+2)

Features

		UT233	UT243
Display count		10000	10000
Auto range		√	√
Jaw opening		50mm	50mm
True RMS	AC voltage/AC current	√	√
Auto power off		√	√
Low battery indication		√	√
Data hold		√	√
MAX/MIN		√	√
Data storage		99	999
USB interface		√	√
LCD backlight		√	√
Full icon display		√	√
Harmonic analysis			1~20
Setup			√
Single-phase 2-wire		√	√
3-phase 3-wire		√	√
3-phase 4-wire		√	√
Phase sequence test	Positive phase, reverse phase, phase deficiency	√	√
Auto calibration		√	
Input impedance for DCV		≥10MΩ	≥5MΩ
Input protection			√

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 4
Display	46mm x 42mm
Product color	Red and grey
Product net weight	601g
Product size	303mm x 112mm x 39mm
Standard accessories	Batteries, test leads, alligator clips, USB interface cable, PC software CD
Standard individual packing	Gift box, English manual, tool box (UT243)
Standard quantity per carton	5pcs
Standard carton measurement	510mm x 375mm x 320mm
Standard carton gross weight	UT233: 12.9kg; UT243: 12.3kg



UT251 series high-accuracy high sensitivity leakage current clamp meters are designed for testing AC leakage current. These high resolution meters are great for applications such as checking leakage current for motor, home appliances and other electrical equipment up to 600A.



● UT251A

SPECIFICATIONS

	Range	UT251A	UT251C
Leakage current (A)	0.001mA~60A	±(1.5%+5)	±(1.5%+5)
	60A~199.9A		±(2%+5)
	200A~300A		±(3%+5)
	300A~600A		±(4%+5)
	Voltage (Freq.) 0V~600V (50Hz/60Hz)	√	√
	Resolution	1uA	1mA
Features			
Display	4 digits LCD	√	√
Clamp size		25mm x 30mm	35mm x 40mm
Auto range		√	√
RS-232		√	√
Data storage		99	99
Peak/Data hold		√	√
Overload protection	OL	√	√
Auto power off	5 minutes	√	√
Low battery indication		≤7.2V	≤7.2V
Over-range display	OL	√	√
Test mode	Clamp CT, integral mode	√	√

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	32mm x 15mm
Product color	Red and grey
Product net weight	120g
Product size	175mm x 70mm x 38mm
Standard accessories	Battery, RS-232 interface cable, PC software CD
Standard individual packing	Gift box, carrying bag, English manual, tool box
Standard quantity per carton	6pcs
Standard carton measurement	385mm x 290mm x 115mm
Standard carton gross weight	3.3kg

UT253/UT257 Series Large Jaws Leakage Current Clamp Meters



UT253 series are large current high precision leakage clamp meters that can measure up to 2000A. Its large 80mm×80mm jaw is able to clamp up to 96mm cables or flat-steel ground wires. UT253' s intelligent design can measure leakage current, three-phase voltages and display them on the screen simultaneously. UT257A is a 3000A large current clamp with AC leakage current detection capability. Its large jaw (108mm× 148mm) is capable of clamping cables up to 108mm in diameter or 160mm×4mm flat-steel ground wires.

- Auto range; RS-232
- LCD backlight; Data hold
- Over-range display
- Auto power off
- Low battery indication



● UT253A

● UT257A

SPECIFICATIONS

	Range	UT253A	UT253B	UT257A
Leakage current (A)	0mA~300A	±(1.5%+3)	±(1.5%+3)	
	0mA~499A			±(2%+5)
	300A~1200A	±(2%+3)	±(2%+3)	
	500A~999A			±(3%+5)
	1000A~2999A			±(4%+5)
	1200A~2000A		±(3%+3)	
	Voltage (Freq.)		√	√
Resolution		0.01mA	0.1mA	0.1mA
Test range	AC 0.0mA~3200A			√
AC voltage (V)	0.00V~600V	±(1.5%+3)	±(1.5%+3)	
	Frequency: 50Hz/60Hz	√	√	
	Resolution	0.01V	0.01V	

Features

Display mode		128 dots×64 dots LCD	4 digits LCD
Clamp size		UT253A/UT253B: 80mm×80mm UT257A: 108mm×148mm (can clamp φ 108mm wires, or 160mm×4mm flat- steel ground wires)	
Data logging		200	99
Test mode	Clamp CT, integration	√	√

GENERAL CHARACTERISTICS

Power	UT253A/UT253B: 1.5V Battery (LR6) x 4; UT257A: 6V DC battery (LR6) x 4
Display	UT253A/UT253B: 43mm x 29mm; UT257A: 47mm x 28.5mm
Product color	Red and grey
Product net weight	UT253A/UT253B: 1kg; UT257A: 1.5kg (with batteries)
Product size	UT253A/UT253B: 275mm x 145mm x 40mm; UT257A: 350mm x 180mm x 55mm
Standard accessories	Batteries, test leads (3 red, 1 black) (UT253A/UT253B), RS-232 interface cable, PC software CD
Standard individual packing	Gift box, English manual, tool box
Standard quantity per carton	UT253A/UT253B: 1pcs; UT257A: 4pcs
Standard carton measurement	UT253A/UT253B: 370mm x 110mm x 300mm; UT257A: 564mm x 428mm x 270mm
Standard carton gross weight	UT253A/UT253B: 3kg; UT257A: 16.4kg



● UT255B



UT255 series high voltage clamp ammeters can measure up to 69kV high voltage line current and leakage current. UT255 comes with an insulation rod, allowing professional users to check status of lightning arresters. The wireless model (UT255B) is also able to wirelessly transmit data in real-time up to 30m range. Its clamp can be easily removed from wire by pressing or pulling back the insulation rod.

- Auto range, 2 times/s sampling rate
- Peak hold
- Manual range/stores 99 sets of data
- RS-232 interface
- Data hold
- Auto power off
- LCD backlight
- Overload protection, low battery indication
- Automatic plug clamp
- Wireless transmission (**UT255B**)

■ SPECIFICATIONS

	Range	UT255A	UT255B
Leakage current (A)	0.01mA~100A	±(1%+5)	±(1%+5)
	100A~600A	±(2%+5)	±(2%+5)
	Voltage (Freq.) 0V~69kV (50Hz/60Hz)	√	√

Features			
Display mode	4 digits LCD	√	√
Jaw opening		33mm	33mm
Auto range		√	√
Wireless transmission	≤30m		√
Data recall		√	√
Data storage		99	99
Peak value		√	√
LCD backlight		√	√
Data hold		√	√
Auto power off	Around 15 minutes	√	√
Low battery indication		√	√
Over-range display	OL	√	√
Test mode	Clamp CT, integration	√	√
Sampling rate	About 2 times/s	√	√

■ GENERAL CHARACTERISTICS

Power	1.5V Battery (LR03) x 4
Display	47mm x 28.5mm
Product color	Red and grey
Product net weight	335g
Product size	68mm x 245mm x 40mm
Standard accessories	Batteries, insulation rod, receiver (UT255B)
Standard individual packing	Gift box, English manual, tool box
Standard quantity per carton	1pcs
Standard carton measurement	1040mm x 240mm x 140mm
Standard carton gross weight	6.8kg



SPECIFICATIONS

	Range	UT256B
AC current (A)	200A	±(2.5%+5)
DC current (A)	200A	±(2.5%+5)
AC voltage (V)	750V	±(1.2%+3)
DC voltage (V)	1000V	±(0.8%+3)
Resistance (Ω)	60MΩ	±(1%+2)
Capacitance (F)	60mF	±(4%+20)

Features

Display count		6000
Auto range		√
True RMS		√
Diode test	About 3V	√
NCV		√
Data hold		√
Zero mode		√
Relative mode		√
LCD backlight		√
Auto power off	About 15 minutes	√
Continuity buzzer		√
Low battery indication	≤2.4V	√
Input protection		√
Input impedance	≥10MΩ	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 2
Display	36.5mm x 24mm
Product color	Red and grey
Product net weight	163.7g
Product size	210mm x 53mm x 35mm
Standard accessories	Batteries, test leads
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	40pcs
Standard carton measurement	485mm x 320mm x 385mm
Standard carton gross weight	16.6kg

UT256B is an AC/DC high reliable, secure true RMS fork meter. Its unique design allows users to measure AC/DC current by simply moving the wire of interest inside the opening of the 'fork' past the labeled mark. With no mechanical parts, this meter bares no risk from any type of mechanical failure. UT256B's full-range overload protection and distinctive appearance design makes it a practical meter for any current measurement up to 200A or voltage up to 1000V (750V AC).



UT261 series is used for determining 3-phase power phase sequence, missing phase indication, and motor phase rotation (UT261B). UT261A and UT261B can measure AC voltage of 40~700V and 90~600V respectively. These devices can operate in frequency range of 15~400Hz. UT261 are durable devices which can withstand impact from 2 meter's height. Test leads with protective tubing are included in optional accessories.

SPECIFICATIONS

	Range	UT261A	UT261B
AC voltage (V)	90V~600V		√
	40V~690V	√	
Frequency (Hz)	15Hz~400Hz	√	√
Working current (A)		<1mA	<3mA
Features			
Phase sequence indication		LCD	LED
Missing phase indication		LCD	LED
Motor rotation indication			LED

GENERAL CHARACTERISTICS

Power	UT261A: No battery required; UT261B: 9V battery (6F22)
Product color	Red and grey
Product net weight	UT261A: 160g; UT261B: 180g
Product size	123mm x 71mm x 29mm
Standard accessories	Battery (UT261B), test lead with alligator clip x 3
Standard individual packing	Gift box, English manual, carrying bag
Standard quantity per carton	20PCSpcs
Standard carton measurement	450mm x 325mm x 340mm
Standard carton gross weight	T261A: 9.8kg; UT261B: 10.3kg



● UT261A



● UT261B



UT262 series are clamp type non-contact phase detectors. Users do not need to be in contact with high-voltage, reducing risk of electrical shock to electricians and other professional personnels. Beside phase sequence detection, UT262 series can also be used for live wire detection, simple electrical inspection, phase identification, missing-phase judgment, and wire breaker searching. It is a perfect tool for phase sequence detection, motor mounting, and wires maintenance.

- Clamp opening 1.6~16mm (UT262A) 、10~40mm (UT262C)
- Power on indication
- Auto power off (Automatically switch off after three minutes)
- LED, buzzer indication



● UT262C



SPECIFICATIONS

	Range	UT262A	UT262C
Phase sequence	[Positive phase] four phase lights on clockwise, and beeping sound	√	√
	[Negative phase] four phase lights on anti-clockwise, and solid sound	√	√
Missing phase detection	R-S or S-T light off	√	√
Live power detection	R-S or S-T light on	√	√
Circuit break detection	R-S or S-T light off	√	√
Voltage detection	R-S or S-T light on	√	√
AC voltage range (V)		70V~600V	70V~1000V
Frequency range (Hz)	40Hz~70Hz	√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 2
Product color	Red and grey
Product net weight	180g
Product size	70mm x 75mm x 30mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	670mm x 315mm x 190mm
Standard carton gross weight	4.6kg

UT265B/UT267B are economical 2/3 phase clamp meters. These meters are able to simultaneous measure 2/3 phase systems and display phase diagram on the LCD screen. These meters can be used to monitor power distribution box, suitable for electricians, electrical maintenance, repair, and training personnel.

SPECIFICATIONS

	Range	UT265B	UT267B
AC current (A)	0mA~20A	±(1.5%+3)	±(1.5%+3)
AC voltage (V)	0V~600V	±(1.5%+3)	±(1.5%+3)
Frequency (Hz)	45Hz~65Hz	±(2%+3)	±(2%+3)
Active power (W)	0W~12kW	±(3%+3)	±(3%+3)
Apparent power (VA)	0VA~12kVA	±(3%+3)	±(3%+3)
Reactive power (VAR)	0VAR~12kVAR	±(3%+3)	±(3%+3)
Power factor	-1~+1	±0.03	±0.03
Phase angle (°)	0°~360°	±1°	±1°
Current vector sum	0mA~60A		√
Phase sequence test	Forward rotation, U1-U2-U3 or I1-I2-I3; reverse rotation, U1-U3-U2 or I1-I3-I2		√

Features

Display mode	LCD: 240 dots×160 dots	√	√
Clamp size	Acuminate current clamp: 7.5mm×13mm (optional) Round jaw current clamp: 35mm×40mm (optional)		
Auto range		√	√
RS-232		√	√
Data storage		1500	99
LCD backlight		√	√
Data hold		√	√
Input impedance for DCV	≥2MΩ	√	√
Auto power off	About 15 minutes	√	√
Low battery indication		√	√
Sampling rate	About 0.5 times/s	√	√



● UT267B

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Product color	Red and grey
Product net weight	550g
Product size	196mm x 92mm x 54mm
Standard accessories	Batteries, current clamps (UT265B : 2pcs; UT267B : 3pcs), test leads (UT265B : 2 yellow, 2 black; UT267B : 1 yellow, 1 green, 1 red, 1 black)
Standard individual packing	Gift box, tool box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	337mm x 136mm x 333mm
Standard carton gross weight	3.3kg

SPECIFICATIONS

	Range	UT273	UT275	UT276A	UT278A
Earth Ground Resistance (Ω)	0.01~0.099 Ω	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$
	0.1~0.99 Ω	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$	$\pm(1\%+0.01)$
	1~49.9 Ω	$\pm(1.5\%+0.1)$	$\pm(1.5\%+0.1)$	$\pm(1\%+0.1)$	$\pm(1\%+0.1)$
	50~99.5 Ω	$\pm(2\%+0.5)$	$\pm(2\%+0.5)$	$\pm(2\%+0.5)$	$\pm(2\%+0.5)$
	100~199 Ω	$\pm(3\%+1)$	$\pm(3\%+1)$	$\pm(3\%+1)$	$\pm(3\%+1)$
	200~395 Ω	$\pm(10\%+5)$	$\pm(10\%+5)$	$\pm(6\%+5)$	$\pm(6\%+5)$
	400~590 Ω	$\pm(20\%+10)$	$\pm(20\%+10)$	$\pm(10\%+10)$	$\pm(10\%+10)$
	600~800 Ω			$\pm(20\%+20)$	$\pm(20\%+20)$
	600~1000 Ω	$\pm(25\%+20)$	$\pm(25\%+20)$		
	800~1200 Ω			$\pm(25\%+30)$	$\pm(25\%+30)$
Leakage current (A)	0mA~9mA				$\pm(2.5\%+1mA)$
	10mA~99mA				$\pm(2.5\%+5mA)$
	100mA~299mA				$\pm(2.5\%+10mA)$
	0mA~299mA		$\pm(2.5\%+2mA)$		
	0.3A~2.99A		$\pm(2.5\%+100mA)$		$\pm(2.5\%+0.1A)$
	3A~9.9A				$\pm(2.5\%+0.3A)$
	10A~20A				$\pm(2.5\%+0.5A)$
	3A~30A		$\pm(2.5\%+300mA)$		$\pm(2.5\%+0.5A)$



UT278A

Features

Display count		10000	10000	4 digits LCD display	
Jaw opening		28mm	28mm	32mm	32mm
Resistance measurement frequency	> 1kHz			√	√
Single measurement time	1 second			√	√
Current limit alarm	1mA~499mA			√	√
Current measurement frequency	50Hz/60Hz			√	√
Auto power off		√	√		
RS-232				√	√
Visual and audible alarm				√	√
Jamming signal recognition				√	√
Over-range display				√	√
Data storage		30	30	99	99

UT270 series can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need of auxiliary electrodes. It can measure resistance from 0.01 Ω with a resolution of 0.001 Ω . UT275 can also measure leakage current up to 30A. These clamps' double insulation design makes them durable tools for outdoor work and effective in blocking interference signals from the environment.

- Resistance limit alarm
- Auto range
- Low battery indication
- Data hold (UT273/275)
- Data recall (UT273/275)
- LCD backlight (UT273/275)
- Auto calibration (UT273/275)

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 4
LCD size	47mm x 28.5mm
Product color	Red and grey
Product net weight	UT273/UT275: 1320g; UT276A/UT278A: 1160g
Product size	UT273/UT275: 293mm x 90mm x 66mm; UT276A/UT278A: 285mm x 85mm x 56mm
Standard accessories	Batteries, test ring, tool box
Standard individual packing	Gift box, English manual
Standard quantity per carton	UT273/UT275: 5pcs; UT276A/UT278A : 6pcs
Standard carton measurement	UT273/UT275: 510mm x 375mm x 320mm; UT276A/UT278A: 610mm x 375mm x 320mm
Standard carton gross weight	UT273/UT275: 15.2kg; UT276A/UT278A: 18kg
Optional accessories	UT276A/UT278A: RS-232 interface cable, PC software CD

UT281 Series True RMS Flex Clamps

UT281 series can measure large currents in various harsh and hard to reach environments. They are designed with Rogowski flex coil and can test up to 3000A AC current. UT281A/C are from UNI-T's Pro Line series, which meet IP54 and 2m drop proof requirements. Due to the ease in operation, accurate readings, stable performance and reliable quality, these flex clamps are ideal tools for electricians.



SPECIFICATIONS

	Range	UT281A	UT281C	UT281E
AC current (A)	30A/300A/3000A	±(3%+5)	±(3%+5)	±(3%+5)
Frequency response	45Hz~500Hz (sine wave)	√	√	√
Inrush current	0.5A~3000A (for reference)	√	√	√
AC voltage (V)	600V			±(1.2%+3)
Resistance (Ω)	60MΩ			±(1.2%+3)
Frequency (Hz)	20Hz~30kHz			±(1%+2)

Features

Range selection		Manual	Manual	Auto (manual range available in current measurement)
Flex coil size		10''(25.4cm)radius: 1.5''(3.8cm)	18'' (45.7cm)radius: 3.1''(8cm)	18'' (45.7cm)radius: 3.1'' (8cm)
Display count		3000	3000	6000 (3000 in current measurement)
Refresh rate		3 times/s	3 times/s	3 times/s
True RMS		√	√	√
Display interface (LCD)		Single	Single	Dual
Data hold/Buzzer		√	√	√
Auto power off		√	√	√
Low battery indication		√	√	√
Backlight/Function selection		√	√	√
2m drop test		√	√	√
IP rating		IP54	IP54	

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32 x 34mm (1.8 inches)
Product color	Red and grey
Product net weight	UT281A: 220g; UT281C: 236g; UT281E: 250g
Product size	UT281A: 300mm x 150mm x 55mm; UT281C: 350mm x 190mm x 55mm; UT281E: 325mm x 180mm x 30mm
Standard accessories	Batteries, PC software CD (UT281A), test leads (UT281E)
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	UT281A/UT281C: 8pcs; UT281E: 10pcs
Standard carton measurement	UT281A: 580mm x 380mm x 180mm; UT281C: 420mm x 355mm x 425mm; UT281E: 435mm x 380mm x 245mm
Standard carton gross weight	UT281A: 4.9kg; UT281C: 6.2kg; UT281E: 6.3kg



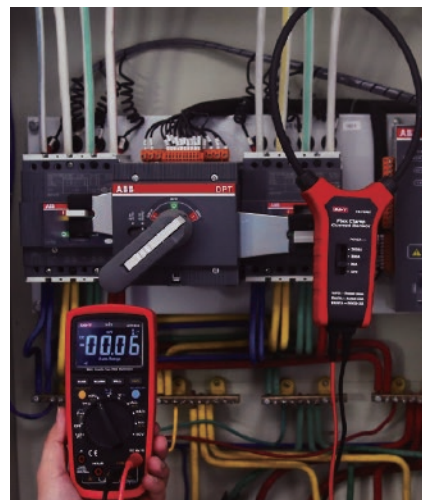
● UT-CS09C



● BNC adapter

UT-CS09 series flex clamp sensor solves problems in measuring high current conductors in tight spaces. Its Rogowski coil based current sensor provides stable, safe, and high reliable measurements up to 3000A. This series' unique design and light weight feature make it a great choice for professional electricians. The UT-CS09A coil length is 25.4cm (10 inches), and UT-CS09C coil length is 45.7cm (18 inches).

- Flex clamp can measure from 1.5A to 3000A current
- 1m drop proof
- Robust terminal connection



SPECIFICATIONS

	Range	UT-CS09A	UT-CS09C
AC current (A)	30A/300A/3000A	±(3%+5)	±(3%+5)
Frequency response (Hz)	45Hz~500Hz	√	√

Features

Flex clamp size	UT-CS09A: 25.4cm (10 inches); UT-CS09C: 45.7cm (18 inches)
Operating temperature	0°C~50°C
Storage temperature	-20°C~60°C
Storage humidity	≤80%RH
Low battery indication	About 3.3V
Range selection	Manual

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Product color	Red and grey
Product net weight	260g
Product size	267mm x 119.4mm x 34mm
Standard accessories	Batteries, BNC adapter
Standard individual packing	Blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	495mm x 405mm x 225mm
Standard carton gross weight	7kg



UT283A is a handheld multi-functional device designed to measure and analyze single-phase power systems. This portable S class device can measure amplitude, phase, harmonics, current, voltage, then record results in SD card for further analysis and export. This product is suitable for professionals working in electrical power, medical, transportation, telecommunication, and other industrial areas.

- Trend/event capture
- Harmonics/inrush current measurement
- File management through USB interface
- Flick measure (PST/PLT values)
- User friendly interface
- Multimeter functions
- Scope functions including waveform display
- 3.5 inches 64K color TFT LCD display
- THD (Total Harmonic Distortion) function
- Long-term monitoring

SPECIFICATIONS

	Range	UT283A
Voltage (V)	10V~1000V AC/DC	±0.5%U _{din}
AC current (A)	10A/100A/1000A	±0.5%f.s.
Frequency (Hz)	40~70Hz	±50mHz
Power (W)	>15%S	±1%S
Power factor	0~1	±0.02
Energy (Wh)	0~9999MWh	±1.5%rdg
Crest factor	1 to 10	±5%
Voltage harmonics or inter-harmonics	U _m ≥3%U _{nom} (1~51th, step 0.5th)	±5%U _{rms}
	U _m <3%U _{nom} (1~51th, step 0.5th)	±0.15%U _{nom}
Current harmonics or inter-harmonics	I _m ≥10%I _{nom} (1~51th, step 0.5th)	±5%I _{rms}
	I _m <10%I _{nom} (1~51th, step 0.5th)	±0.5%I _{nom}
Power harmonics	(1~51th, step 1th)	Calculated based on voltage and current amplitude and phase accuracy
Transients	±6000V Peak, F _{sample} =2MHz	±5%rdg, ±5%f.s
Dip/swell/interrupt	0~1000V AC	U _{din} ±1%
AC inrush current (A)	10A/100A/1000A	±1%f.s
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(1%+3)
Capacitance (F)	60nF/600nF/6μF/60μF/600μF	±(4%+20)

Features

True RMS		√
Harmonic analysis	Up to 51th	√
Flick measure	10 minutes, PST and PLT values	√
Voltage ratio		√
Current ratio		√
Event capture		√
Trend capture		√
Data logging	8GB	√
USB interface		√
Backlight adjustment		√
Low battery indication		√
Input protection		√

GENERAL CHARACTERISTICS

Power	Li-ion battery: 7.4V 3600mAh
Display	70mm x 52mm; 3.5 inches 64K color TFT LCD (320 x 240)
Product color	Red and grey
Product net weight	808.4g
Product size	199mm x 118mm x 49mm
Standard accessories	Power adaptor, power cord, test leads, test probes, alligator clips, current clamp (10A/100A/1000A), USB interface cable, PC software CD, SD card (8GB)
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	4pcs
Standard carton measurement	665mm x 350mm x 305mm
Standard carton gross weight	24.2kg



UT285A is designed for thorough 3-phase power quality analysis. It provides safe, convenient, and accurate measurements for troubleshooting power networks. With portability and user friendly interface, user can measure important power quality parameters such as voltage/frequency deviation, phase status, harmonics, and more. These data can help users locate and eliminate existing or potential problems.



SPECIFICATIONS

	Range	UT285A
AC current (A)	0mA~3000A AC	±1% (10~100%In)
AC voltage (V)	0V~1000V AC	±0.1%
Frequency (Hz)	45Hz~65Hz	±0.01Hz
Active power (W)	0W~9000kW	±1%
Apparent power (VA)	0VA~9000kVA	±1%
Reactive power (VAR)	0VAR~9000kVAR	±1%
Power factor	-1~+1	±0.1%
Phase angle (°)	0°~360°	±1%
Pst (1 min),Pst, Plt	0~20	±5%
Voltage unbalance	0%~20%	±0.1%
Current unbalance	0%~20%	±1%
Harmonic volts %f	0%~100%	±0.1%±n x 0.1%
Harmonic volts %r	0%~100%	±0.1%±n x 0.4%
Harmonic volts absolute	0V~1000V	±5%
Volts THD	0%~100%	±2.5%
Harmonic amps %f	0%~100%	±0.1%±n x 0.1%
Harmonic amps %r	0%~100%	±0.1%±n x 0.4%
Harmonic volts absolute	40A~3000A	±5%
Amps THD	0%~100%	±2.5%
Harmonic watts %f or %r	0%~100%	±n x 2%
Harmonic watts absolute	clamp scaling * V nominal	±5%±n x 2%
Watts THD	0%~100%	±5%
Harmonic Hz	0Hz~2500Hz (1~50 order)	±1Hz
Harmonic phase angle	0°~360°	±n x 1°
Vrms ½	0~200% of nominal voltage	±0.2% of nominal voltage
Arms ½	3000A	±1%
Data logging/USB interface		√
Event duration	Hhh: mm: ss: mmm	One cycle
Recording	Volts/Amps/Hertz; Harmonics; Power & Energy; Unbalance	5 readings/sec or 1 reading/3 sec 0.2s~2hr
	Inrush; Dips & Swells	100/120 readings/sec 0.2s~2hr
	Flicker	1 min. 10min. 2hr
	Quality Profile	3s/1min. /10min for volts 1s/3s. /10s for frequency
	Events: 100/120 readings/sec	22~260 waveform cycles, 10s for ½ cycle rms trend
	Transients: 19µs	

GENERAL CHARACTERISTICS

Power	Li-ion battery 7.4V 4400mAh/ DC Adapter: 85~450V 50/60Hz
Display	5.7" TFT 64k color (640 x 480)
Product color	Red and grey
Product net weight	1.95kg
Product size	256mm x 169mm x 64mm
Standard accessories	3000A AC flexible current probe (4 pieces) 5-core test lead set USB interface cable for PC connection power adapter software CD, SD card (8GB)
Standard individual packing	Gift box, toolbox, English manual
Standard quantity per carton	1pcs
Standard carton measurement	645mm x 470mm x 398mm
Standard carton gross weight	8.2kg
Optional Accessories	6000A AC flexible current probe (4 pieces)

IR Thermometers

Infrared thermometer plays an important role in production, quality control and inspection, anomaly detection, equipment protection, energy saving, etc. IR thermometer is capable of measuring temperature through non-contact method, producing easy, quick, safe and accurate results.



Features	Economical	12:1		20:1		30:1	
	UT300A+	UT301A+	UT301C+	UT302A+	UT302C+	UT303A+	UT303C+
Temperature range	-20~400°C	-32~420°C	-32~600°C	-32~700°C	-32~1100°C	-32~800°C	-32~1300°C
Accuracy	±2% or ±2°C	±1.5% or ±1.5°C		±1.5% or ±1.5°C		±1.5% or ±1.5°C	
D:S ratio	10:1	12:1		20:1		30:1	
Response time	500ms	250ms		250ms		250ms	
Emissivity	0.95	0.1~1		0.1~1		0.1~1	
Spectral response	5.5~14um	8um~14um		8um~14um		8um~14um	
Laser Properties							
Laser type	Class 2	Class 2		Class 2		Class 2	
Laser power	< 1mW	< 1mW		< 1mW		< 1mW	
Laser wave length	630~670nm	630~670nm		630~670nm		630~670nm	
Laser signal	Single point	Single point	Dual points	Single point	Dual points	Single point	Dual points
Other Functions							
Display	20mm x 24mm	30mm x 30mm		35mm x 35mm		35mm x 35mm	
Laser switch	—	●		●		●	
°C/°F selection	●	●		●		●	
Auto power off	●	●		●		●	
Data hold	●	●		●		●	
Low battery indication	●	●		●		●	
MAX/MIN	—	●		●		●	
Average/Differential	—	●		●		●	
LCD backlight	●	●		●		●	
Data storage	—	—	99	—	99	—	99
High/low limit alarm	—	●		●		●	
Tripod mounting hole	—	●		●		●	
Drop test	1m	1m		1m		1m	

Features	50:1		Mini	PRO series			
	UT305A	UT305C	UT306A	UT309A	UT309C	UT309D	UT309E
Temperature range	-50~1050°C	-50~1550°C	-35~300°C	-35~450°C	-35~650°C	-35~650°C	-35~850°C
Accuracy	±1.8% or ±1.8°C		±2% or ±2°C	±1.8% or ±1.8°C			
D:S ratio	50:1		6:1	10:1	12:1	12:1	20:1
Response time	250ms		250ms	250ms		250ms	250ms
Emissivity	0.1~1		0.95	0.95	0.1~1	0.1~1	0.1~1
Spectral response	8um~14um		5um~14um	8um~14um		8um~14um	
Laser Properties							
Laser type	Class 2		Class 2	Class 2		Class 2	
Laser power	< 1mW		< 1mW	< 1mW		< 1mW	
Laser wave length	630~670nm		630~670nm	630~670nm		630~670nm	
Laser signal	Single point		Single point	Single point	Dual points	Dual points	
Other Functions							
Display	33mm x 38mm		37.4mm x 36.4mm	32mm x 29mm		32mm x 32mm	
Laser switch	●		●	●		●	
°C/°F selection	●		●	●		●	
Auto power off	●		●	●		●	
Data hold	●		●	●		●	
Low battery indication	●		●	●		●	
MAX/MIN	●		●	●		●	
Average/Differential	●		—	●		●	
LCD backlight	●		●	●		●	
Data storage	99		—	—		20	99
USB data transmission	●		—	—		—	
High/low limit alarm	●		—	●		●	
T-C probe	●		—	—		—	
Tripod mounting hole	●		—	●		●	
IP rating	—		—	IP65		IP65	
Drop test	1m		1m	3m		3m	



- Simple one button operation
- 10:1 D:S ratio
- Data hold
- Backlight
- Temperature range: -20°C~400°C

■ SPECIFICATIONS

	UT300A+
Temperature range	-20°C~400°C -4°F~752°F
Accuracy	>0°C: ±2.0°C or ±2%; ≤0°C: ±(2.0°C+0.1°C/°C) >32°F: ±4.0°F or ±2%; ≤32°F: ±(4.0°F+0.1°F/°F)
Repeatability	1°C or 1.0% (2°F or 1.0%)
D:S ratio	10:1
Response time	≤500ms (95% of reading)
Emissivity	0.95
Spectral response	5.5um~14um
Laser power	<1mW
Features	
Auto power off	8s
Low battery indication	√
Data hold	√
°C/°F selection	√
Backlight	√
Laser	√
Operating temperature	0°C~50°C (32°F~122°F)
Storage temperature	-20°C~60°C (-4°F~140°F)
Operating humidity	<90% RH (non-condensing)
Drop test	1m

■ GENERAL CHARACTERISTICS

Power	1.5V battery (LR03) x 2
Display	20mm x 24mm
Product color	Red and grey
Product net weight	146g
Product size	135mm x 94mm x 36.5mm
Standard individual packing	Blister, English manual
Standard quantity per carton	20pcs
Standard carton measurement	430mm x 265mm x 300mm
Standard carton gross weight	6.97kg



SPECIFICATIONS

	UT301A+	UT301C+
Temperature range	-32°C~420°C	-32°C~600°C
	-25.6°F~788°F	-25.6°F~1112°F
Accuracy	>0°C: ±1.5°C or ±1.5%; ≤0°C: ±(1.5°C+0.1°C/°C)	
	>32°F: ±3.0°F or ±1.5%; ≤32°F: ±(3.0°F+0.1°F/°F)	
Repeatability	0.7°C or 0.7% (1.5°F or 0.7%)	
D:S ratio	12:1 (95%)	
Response time	≤250ms (95% of reading)	
Emissivity	0.1~1.0 (adjustable, stores 5 sets of preset values)	
Spectral response	8um~14um	
Laser power	< 1mW	
Features		
Auto power off	√	
Low battery indication	√	
LCD display	Color EBTN	
High/low temperature LED alarm	√	
High/low temperature audible alarm	√	
Data hold	√	
°C/°F selection	√	
MAX/MIN/AVG/DIFF mode	√	
Lock measurement	√	
Data storage	–	99
Scheduled measurement	–	√
Backlight	√	
Operating temperature	0°C~50°C (32°F~122°F)	
Storage temperature	-20°C~60°C (-4°F~140°F)	
Operating humidity	<90% RH (non-condensing)	
Drop test	1m	



● UT301C+

- 12:1 D:S ratio
- Adjustable emissivity 0.1~1.0
- ±1.5°C temperature measurement accuracy
- User defined visual and audio alarm
- High contrast EBTN color display
- MAX/MIN/AVG/DIFF/Hold modes
- Dual lasers (UT301C+)
- Temperature recording up to 99 groups (UT301C+)
- Date/time display (UT301C+)
- Time scheduled measurement (UT301C+)

GENERAL CHARACTERISTICS

Power	9V battery
Display	30mm x 30mm
Product color	Red and grey
Product net weight	204g
Product size	161.5mm x 90mm x 48mm
Standard accessories	Battery, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	20pcs
Standard carton measurement	455mm x 360mm x 240mm
Standard carton gross weight	10.43kg

	Normal status: High limit > temperature > low limit
	Temperature > high limit
	Temperature < low limit



Scheduled measurement (UT301C+):

Set a start time and interval, device will auto turn on at start time, perform a measurement, then turn off, and repeat the procedure once for every interval time. Interval range from 1 min to 96 hours, number of measurement and data storage can be up to 99 sets.



SPECIFICATIONS

	UT302A+	UT302C+
Temperature range	-32°C~700°C -25.6°F~1292°F	-32°C~1100°C -25.6°F~2012°F
Accuracy	≥0°C: ±1.5°C or ±1.5%; <0°C: ±(1.5°C+0.1°C/°C) ≥32°F: ±3.0°F or ±1.5%; <32°F: ±(3.0°F+0.1°F/°F)	
Repeatability	0.7°C or 0.7% (1.5°F or 0.7%)	
D:S ratio	20:1	
Response time	250ms	
Emissivity	0.1~1.0 (adjustable, stores 5 sets of preset values)	
Spectral response	8um~14um	
Laser power	< 1mW	
Features		
Auto power off	√	
Low battery indication	√	
LCD display	Color EBTN	
High/low LED alarm	√	
High/low audible alarm	√	
Data hold/Lock measurement	√	
°C/°F selection	√	
MAX/MIN/AVG/DIFF mode	√	
Data storage with date and time	—	99
Scheduled measurement	—	√
Backlight	√	
Operating temperature	0°C~50°C (32°F~122°F)	
Storage temperature	-20°C~60°C (-4°F~140°F)	
Operating humidity	<90%RH (non-condensing)	
Drop test	1m	



● UT302C+

- 20:1 D:S ratio
- Adjustable emissivity 0.1~1.0
- ±1.5°C temperature measurement accuracy
- User defined visual and audio alarm
- High contrast EBTN color display
- MAX/MIN/AVG/DIFF/Hold modes
- Dual lasers (UT302C+)
- Temperature recording up to 99 groups (UT302C+)
- Date/time display (UT302C+)
- Time scheduled measurement (UT302C+)

GENERAL CHARACTERISTICS

Power	9V battery
Display	35mm x 35mm
Product color	Red and grey
Product net weight	310g
Product size	UT302A+: 172mm x 113.5mm x 53mm UT302C+: 179mm x 126.5mm x 53mm
Standard accessories	Battery, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	425mm x 335mm x 365mm
Standard carton gross weight	6.65kg

	Normal status: High limit > temperature > low limit
	Temperature > high limit
	Temperature < low limit



Scheduled measurement (UT302C+):

Set a start time and interval, device will auto turn on at start time, perform a measurement, then turn off, and repeat the procedure once for every interval time. Interval range from 1 min to 96 hours, number of measurement and data storage can be up to 99 sets.



SPECIFICATIONS

	UT303A+	UT303C+
Temperature range	-32°C~800°C -25.6°F~1472°F	-32°C~1300°C -25.6°F~2372°F
Accuracy	≥0°C: ±1.5°C or ±1.5%; <0°C: ±(1.5°C+0.1°C/°C) ≥32°F: ±3.0°F or ±1.5%; <32°F: ±(3.0°F+0.1°F/°F)	
Repeatability	0.7°C or 0.7% (1.5°F or 0.7%)	
D:S ratio	30:1	
Response time	250ms	
Emissivity	0.1~1.0 (adjustable, stores 5 sets of preset values)	
Spectral response	8um~14um	
Laser power	< 1mW	
Features		
Auto power off	√	
Low battery indication	√	
LCD display	Color EBTN	
High/low LED alarm	√	
High/low audible alarm	√	
Data hold	√	
°C/°F selection	√	
MAX/MIN/AVG/DIFF mode	√	
Lock measurement	√	
Data storage	–	99
Scheduled measurement	–	√
Backlight	√	
Operating temperature	0°C~50°C (32°F~122°F)	
Storage temperature	-20°C~60°C (-4°F~140°F)	
Operating humidity	<90%RH (non-condensing)	
Drop test	1m	



● UT303C+

- 30:1 D:S ratio
- Adjustable emissivity 0.1~1.0
- ±1.5°C temperature measurement accuracy
- User defined visual and audio alarm
- High contrast EBTN color display
- MAX/MIN/AVG/DIFF/Hold modes
- Dual lasers (UT303C+)
- Temperature recording up to 99 groups (UT303C+)
- Date/time display (UT303C+)
- Time scheduled measurement (UT303C+)

GENERAL CHARACTERISTICS

Power	9V battery
Display	35mm x 35mm
Product color	Red and grey
Product net weight	310g
Product size	179mm x 126.5mm x 53mm
Standard accessories	Battery, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	425mm x 335mm x 365mm
Standard carton gross weight	6.65kg

	Normal status: High limit > temperature > low limit
	Temperature > high limit
	Temperature < low limit



Scheduled measurement (UT302C+):

Set a start time and interval, device will auto turn on at start time, perform a measurement, then turn off, and repeat the procedure once for every interval time. Interval range from 1 min to 96 hours, number of measurement and data storage can be up to 99 sets.



● UT305C



UT305 series infrared thermometers can measure temperature by laser or contact with k-type temperature probe. UT305 has a 50:1 D:S ratio, so it can measure long range temperature points of interest with great accuracy. UT305 also has 99 sets of data storage and USB data transmission. They are ideal tools for industrial quality inspection such as HVAC and electronics manufacturing.

■ SPECIFICATIONS

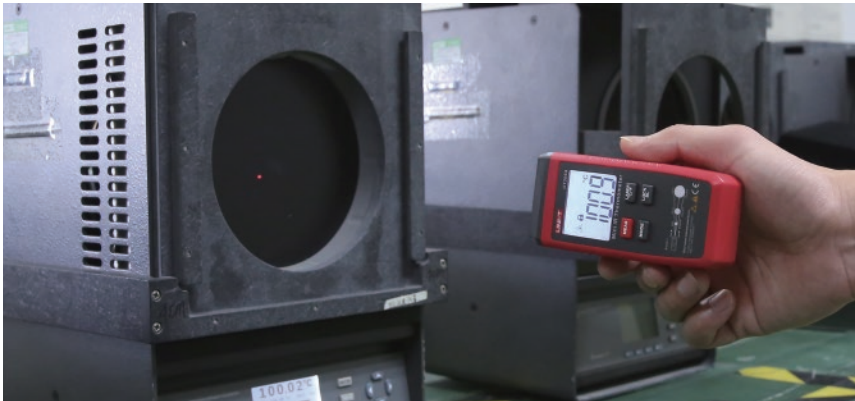
	UT305A	UT305C
Temperature range	-50°C~1050°C -58°F~1922°F	-50°C~1550°C -58°F~2822°F
Accuracy	±1.8°C or ±1.8%	
Repeatability	±0.5°C or ±0.5%	
Resolution	0.1	
D:S ratio	50:1	
Response time	250ms (95% of reading)	
Emissivity	0.1~1.0 adjustable	
Laser type	Class 2	
Laser power	<1mW	
Laser wavelength	630nm~670nm	
Spectral response	8μm~14μm	

Features

°C/°F selection	✓
Laser switch	✓
Display hold (s)	8
Data hold	✓
Auto power off	✓
Low battery indication	✓
MAX/MIN/AVG/DIFF mode	✓
Data storage	99
USB interface	✓
High/Low alarm	✓
LCD backlight	✓
Tripod mounting hole	✓
T-C thermocouple measurement	✓

■ GENERAL CHARACTERISTICS

Power	USB or 9V battery (6F22) or power adaptor
Display	33mm x 38 mm
Product color	Red and grey
Product net weight	320g
Product size	183mm x 147mm x 57mm
Standard accessories	Battery, USB interface cable, PC software CD, point contact temperature probe
Standard individual packing	Gift box, tool box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	372mm x 113mm x 315mm
Standard carton gross weight	2kg



SPECIFICATIONS

	UT306A
Temperature range	-35°C~300°C -31°F~572°F
Accuracy	≥0°C: ±2.0°C or ±2%; <0°C: ±(2.0°C+0.1°C/°C) ≥32°F: ±4.0°F or ±2%; <32°F: ±(4.0°F+0.1°F/°F)
D:S ratio	6:1
Response time	<250ms
Emissivity	0.95
Spectral response	8um~14um
Laser power	<1mW
Features	
Auto power off	√
Low battery indication	√
Data hold	√
°C/°F selection	√
MAX/MIN/AVG mode	√
Lock measurement	√
Backlight	√
Laser	√
Operating temperature	0°C~50°C (32°F~104°F)
Storage temperature	-20°C~60°C (-4°F~140°F)
Operating humidity	<90%RH (non-condensing)
Drop test	1m

UT306A is a portable non-contact thermometer. This device's miniature design is convenient to carry and suitable for everyday temperature measurement needs. UT306A is designed to counter environmental interference, ensuring accurate temperature readings under various measurement environments.

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	37.4mm x 36.4mm
Product color	Red and grey
Product net weight	120g
Product size	120mm x 53mm x 28mm
Standard accessories	Batteries
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	272mm x 225mm x 200mm
Standard carton gross weight	2.8kg



● UT309C

	High temperature LED indicator
	Low temperature LED indicator



UT309 series professional infrared thermometer can determine surface temperature through the energy radiated by the target surface. It is designed to meet some of the highest protection ratings in UNI-T's product line, **IP65 and 3m drop proof**. With a rapid response rate of 250ms, high measurement accuracy, and multiple scanning modes, UT309 proves to be a necessary tool for engineers and technicians working in a various fields such as electrical distribution inspection, HVACR maintenance, transportation equipment inspection, instrument repair, and many more.

SPECIFICATIONS

	UT309A	UT309C
Temperature range	-35°C~450°C -31°F~842°F	-35°C~650°C -31°F~1202°F
Accuracy	$\geq 0^{\circ}\text{C}$: $\pm 1.8^{\circ}\text{C}$ or $\pm 1.8\%$ $< 0^{\circ}\text{C}$: $\pm (1.8^{\circ}\text{C} + 0.1^{\circ}\text{C}/^{\circ}\text{C})$ $\geq 32^{\circ}\text{F}$: $\pm 3.6^{\circ}\text{F}$ or $\pm 1.8\%$ $< 32^{\circ}\text{F}$: $\pm (3.6^{\circ}\text{F} + 0.1^{\circ}\text{F}/^{\circ}\text{F})$	
Resolution	0.1°C/0.1°F	
D:S ratio	10:1	12:1
Response time	250ms (95% of reading)	
Emissivity	0.95	0.10~1.0 adjustable
Number of lasers	Single laser	Dual lasers
Laser type	Class 2	
Laser power	<1mW	
Laser wavelength	630nm~670nm	
Spectral response	8μm~14μm	
Features		
°C/°F selection/Laser switch	√	
Display hold(s)	8	
Data hold/Auto power off	√	
Low battery indication	√	
Lock measurement	√	
MAX/MIN/AVG/DIFF mode	√	
High alarm (red LED)	√	
Low alarm (blue LED)	√	
LCD backlight	√	
Tripod mounting hole	√	

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	32mm x 29mm
Product color	Red and grey
Product net weight	292g
Product size	189mm x 118mm x 55mm
Standard accessories	PC software CD, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	430mm x 335mm x 330mm
Standard carton gross weight	6.5kg



- EBTN screen, 20 sets of data storage (UT309D)
- Color EBTN screen, 20:1 D:S ratio, 99 sets of data storage, time scheduled measurement (UT309E)

SPECIFICATIONS

	UT309D	UT309E
Temperature range	-35°C~650°C -31°F~ 1202°F	-35°C~850°C -31°F~ 1562°F
Accuracy	≥0°C: ±1.8°C or ±1.8% <0°C: ±(1.8°C+0.1°C/°C) ≥32°F: ±3.6°F or ±1.8% <32°F: ±(3.6°F+0.1°F/°F)	
D:S ratio	12:1	20:1
Response time	<250ms	
Emissivity	0.1~1.0 (adjustable)	0.95 (default) 0.1~1.0 (adjustable)
Spectral response	8um~14um	
Laser power	<1mW	

Features		
Auto power off	√	
Low battery indication	√	
LCD display	EBTN	Color EBTN
High/low LED alarm	√	
Data hold	√	
°C/°F selection	√	
MAX/MIN/AVG/DIFF mode	√	
Lock measurement	√	
Dual lasers	√	
Data storage with date and time	20	99
Scheduled measurement	—	√
Monitoring measurement	—	√
Protective function	—	√
Operating temperature	0°C~50°C (32°F~122°F)	
Storage temperature	-20°C~60°C (-4°F~140°F)	
Operating humidity	<90%RH (non-condensing)	
Drop test	3m	
IP rating	IP65	



● UT309D



● UT309E

GENERAL CHARACTERISTICS

Power	9V battery
Display	32mm x 32mm
Product color	Red and grey
Product net weight	292g
Product size	189mm x 118mm x 55mm
Standard accessories	Battery, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	475mm x 335mm x 325mm
Standard carton gross weight	5.8kg

	High temperature LED indicator
	Low temperature LED indicator

Environmental Testers

Our environment has been seriously affected by the rapid economic growth and industrialization in today's society. Environmental protection is the toughest issue that humans are facing today. Environmental indicators such as temperature, humidity, illumination, noise, dust, CO, CO₂ are important data for ensuring a healthy living environment. UNI-T is committed to environmental protection by offering professional and comprehensive environmental testers. These meters output audio/visual alerts whenever environment data goes beyond normal range.





● UT312

UT310 series handheld vibration testers can measure displacement, velocity, and acceleration of rotating and reciprocating machinery. Technicians can use these to monitor equipment status and ensure normal operation.

SPECIFICATIONS

	Range	UT311	UT312
Acceleration (O-P)	0.1~199.9m/s ²	Frequency response: 10~1500Hz, Amplitude error: ≤±5%	Amplitude linear error: ≤2.0m/s ² , ≤±10%; >2.0m/s ² , ≤±5%
Velocity (RMS)	0.1~199.9mm/s	Frequency response: 10~1500Hz, Amplitude error: ≤±5%	Amplitude linear error: ≤2.0m/s, ≤±10%; >2.0m/s, ≤±5%
Displacement (P-P)	1~1999μm	Frequency response: 10~500Hz, Amplitude error: ≤±5%	Amplitude linear error: ≤20um, ≤±10%; >20um, ≤±5%
Features			
Data hold		√ (auto data hold when releasing the measure key)	
Low battery indication		√	
Auto power off		√ (auto power off 1 minute after releasing the measure key)	
Battery life		Continuous measuring time > 20 hours	
Display count		2000	

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Product color	Red and grey
Product net weight	230g (including battery)
Product size	185mm x 68mm x 30mm
Standard accessories	Battery, tool box
Standard individual packing	Gift box, English manual
Standard quantity per carton	5pcs
Standard carton measurement	375mm x 307mm x 246mm
Standard carton gross weight	5.8kg

SPECIFICATIONS

	Range	UT320A	UT320D
Temperature measurement (K)	-50°C~1300°C	±(0.5%+1)	±(0.5%+1)
Temperature measurement (J)	-50°C~1200°C	±(0.5%+1)	±(0.5%+1)
Features			
Display mode		Single	Dual
Auto power off		√	√
Low battery indication		√	√
Difference measurement (T1-T2)			√
Data hold		√	√
°C/°F selection		√	√
MAX/MIN/AVG		√	√
Mode selection (K/J)		√	√
Backlight		√	√
Drop test	1m	√	√
Operating temperature	0°C~40°C		
Operating humidity	≤80%RH		



● UT320D

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	37.4mm x 36.4mm
Product color	Red and grey
Product net weight	60g
Product size	120mm x 53mm x 28mm
Standard accessories	K-type temperature probe, batteries
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	332mm x 225mm x 200mm
Standard carton gross weight	3.4kg

UT320A and UT320D are single and double channel contact type thermometers respectively. These highly accurate thermometers have a wide temperature range. UT320D can also calculate the temperature difference of its two channels. UT320 can be used with any K or J temperature probe.





UT320 series contact type thermometers provide fast, accurate, and precise temperature measurement with thermocouple temperature probes. Users can select single or dual input, record, and analyze data through PC software. UT320 series can be used with a variety of temperature probes, satisfying multiple applications.

SPECIFICATIONS

	Range	UT321	UT322	UT325
Single or dual input		Single	Dual	Dual
Temperature	Type K	-200°C~1372°C (-328°F~2501°F)	±(0.5%+0.8)	±(0.2%+0.6)
	Type J	-210°C~1200°C (-346°F~2192°F)	±(0.5%+0.8)	±(0.2%+0.6)
	Type T	-250°C~400°C (-418°F~752°F)	±(0.5%+0.8)	±(0.2%+0.6)
	Type E	-150°C~1000°C (-238°F~1832°F)	±(0.5%+0.8)	±(0.2%+0.6)
	Type R	0.0°C~1767°C (32°F~3212°F)		±(0.2%+2)
	Type S	0.0°C~1767°C (32°F~3212°F)		±(0.2%+2)
	Type N	-200°C~1300°C (-328°F~2372°F)		±(0.2%+1.5)
Resolution	0.1°C (When value>999.9°C: 1°C)	√		√
Features				
°C/°F/K selection		√		√
Data hold		√		√
Auto power off		√		√
Low battery indication		√		√
MAX/MIN/AVG mode		√		√
Data storage		100		100
USB interface		√		√
High alarm				√
Low alarm				√
High/lower signal output				√
LCD backlight		√		√
Auto calibration		√		√



● UT325

GENERAL CHARACTERISTICS

Power	USB or 9V battery (6F22)
Display	30mm x 32mm
Product color	Red and grey
Product net weight	270g
Product size	175mm x 85mm x 30mm
Standard accessories	Battery, USB interface cable, PC software CD, K-type temperature probe
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	405mm x 290mm x 165mm
Standard carton gross weight	4.3kg

UT330-USB series dataloggers use high-precision temperature, humidity and atmospheric pressure sensors for long period monitor and record. UT330-USB series satisfies IP67 water and dust proof, can store 60000 sets of data and transmit them through USB to PC. They are great solutions for monitoring temperature and humidity sensitive goods such as medicine or food during transportation and storage, greenhouse, wine cellar and more.

SPECIFICATIONS

		Range	UT330A	UT330B	UT330C
Temperature	Range	-40°C~80C (-40°F~176°F)	√	√	√
	Accuracy	0°C~40°C	±0.5°C	±0.5°C	±0.5°C
		-30°C~0°C, 40°C~70°C	±1°C	±1°C	±1°C
		-40°C~-30°C, 70°C~80°C	±2°C	±2°C	±2°C
Resolution	0.1°C/0.1°F	√	√	√	
Relative humidity	Range	0%RH~100%RH		√	√
	Accuracy	20%RH~80%RH		±3%RH	±3%RH
		<20%RH or >80%RH		±5%RH	±5%RH
	Resolution	0.1%RH		√	√
Atmospheric pressure	Range	750hPa~1100hPa			√
	Accuracy				±3hPa
	Resolution	0.1hPa			√

Features

IP67		√	√	√
°C/°F selection		√	√	√
Temperature offset settings		√	√	√
Humidity offset settings			√	√
Pressure offset settings				√
Data storage		60000	60000	60000
Data recall		√	√	√
USB interface		√	√	√
Auto record time setup		√	√	√
User name settings		√	√	√
Alarm threshold		√	√	√
Start mode setup		√	√	√



● UT330C

GENERAL CHARACTERISTICS

Power	3.6V 1/2 battery (R6) x 1
Product color	Grey
Product net weight	52g (with battery, no bracket)
Product size	122mm x 30mm x 24mm
Standard accessories	Battery, PC software CD, bracket, screws
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	287mm x 207mm x 250mm
Standard carton gross weight	2.3kg
Optional accessories	Magnet bracket



● UT332

UT330 series meters measure temperature and humidity with low power consumption and high precision. The measured data can be saved and exported to PC software for further analysis. These meters can be used in factories, laboratories, research institutes, food, health, environmental protection, and other fields.



SPECIFICATIONS

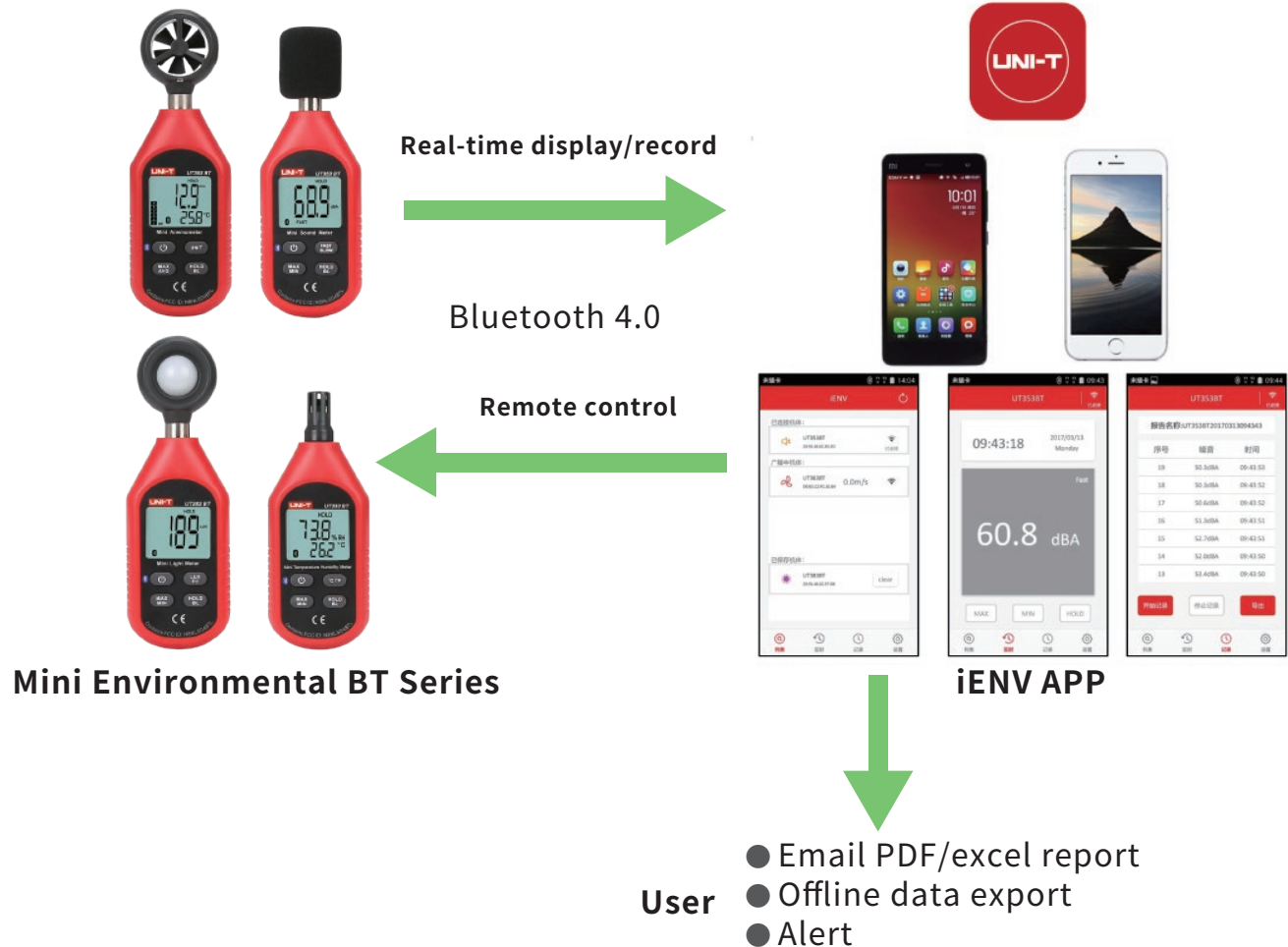
			UT331	UT332
Temperature	Range	-20°C~70C (-4°F~158°F)	√	√
	Accuracy	-20°C~0°C	±1°C	±1°C
		0°C~40°C	±0.5°C	±0.5°C
		40°C~70°C	±1°C	±1°C
Resolution	0.1°C/0.1°F	√	√	
Humidity	Range	0%RH~100%RH	√	√
	Accuracy	10%RH~90%RH	±3.5%RH	±2.5%RH
		<10%RH or >90%RH	±5%RH	±5%RH
	Resolution	0.1%RH	√	√

Features

°C/°F selection		√	√
Response time	Around 10 seconds	√	√
Humidity offset settings		√	√
Temperature offset settings		√	√
Dew point offset settings		√	√
Auto power off		√	√
Power saving mode			√
Data hold		√	√
MAX/MIN		√	√
Data storage		√	√
Data recall		√	√
USB interface		√	√
Auto record time setup		√	√
LCD backlight		√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 4
Display	26.5mm x 35.5 mm
Product color	Red and grey
Product net weight	130g
Product size	185mm x 54.8m x 33.8mm
Standard accessories	Batteries, carrying bag, PC software CD, USB interface cable
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	430mm x 290mm x 290mm
Standard carton gross weight	6.3kg



iENV is an App which connects UNI-T's mini environmental series meters to a cell phone through Bluetooth. It is a free App which can be downloaded from Google Play, Apple Store or UNI-T's website at www.uni-trend.com. iENV is able to display and record real-time temperature/humidity, noise level, wind speed, and light intensity only through UNI-T meters UT333BT, UT353BT, UT363BT, and UT383BT respectively. iENV's user manual comes in languages of English, French, German, Spanish and Chinese.

Main features

1. Wireless data transfer through Bluetooth
2. Real-time data and trends display
3. Real-time/historical/off-line data and trends recall. Data export in csv, pdf, or graphical format files that can be sent through E-mail
4. Attach pictures taken with phone into data reports
5. Allows user and company info to be filled in with reports and able to send reports through email
6. Bluetooth connectivity distance is roughly 10 meters in open space



● UT333 BT

SPECIFICATIONS

	UT333	UT333BT
Temperature	-10°C~60°C 14°F~140°F	-10°C~60°C 14°F~140°F
Temperature accuracy	±1.0°C/±2.0°F	±1.0°C/±2.0°F
Temperature resolution	0.1°C/0.2°F	0.1°C/0.2°F
Humidity	0%RH~100%RH	0%RH~100%RH
Humidity accuracy	±5%RH	±5%RH
Humidity resolution	0.1%RH	0.1%RH
Sampling rate	1/s	1/s
Features		
APP		√
Bluetooth®		√
Overload indication	OL	OL
MAX/MIN	√	√
Data hold	√	√
°C/°F selection	√	√
LCD backlight	√	√
Auto power off	5 min	5 min
Low battery indication	3V~3.5V	3V~3.5V

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product color	Red and grey
Product net weight	102g
Product size	155mm x 50mm x 28mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual
Standard quantity per carton	UT333: 40pcs; UT333 BT: 20pcs
Standard carton measurement	UT333: 505mm x 330mm x 280mm UT333 BT: 332mm x 262mm x 290mm
Standard carton gross weight	UT333: 8kg; UT333 BT: 4.2kg

UT333/UT333BT temperature humidity meters can measure, process data, and display results on LCD. UT333BT can transfer measurement data through bluetooth to UNI-T's custom mobile APP (iENV) for further analysis, storage, and export. iENV can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV'.

- Temperature measurement range: -10~60°C/14~140°F
- Humidity measurement range: 0~100%RH
- Light weight, ergonomic design, user-friendly interface
- MAX/MIN modes, low battery indication, auto power off



UT333S is a stable, safe and reliable mini digital temperature humidity meter. With split type design, it is convenient and fast to measure the temperature accurately in different environments. It is widely used in grain storage and transportation, file management, material management, forestry and animal husbandry, health care, teaching experiment, public sector and home. The split type design is perfect for monitoring hard to reach and small ventilation ducts.



SPECIFICATIONS

	Range	Resolution	Accuracy
Temperature (°C)	-10°C~60°C	0.1°C	±1.0°C
Temperature (°F)	14°F~140°F	0.2°F	±2.0°F
Humidity	0%RH~100%RH	0.1%RH	±5% (20~80%RH)
Features			
°C/°F	√		
MAX/MIN	√		
Data hold	√		
Overload alarm	√		
Backlight	√		
Auto power off	√		

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32mm x 35mm
Product color	Red and grey
Product net weight	310g
Product size	110mm x 53mm x 26mm
Standard accessories	Batteries
Standard individual packing	Gift box, English manual, blister
Standard quantity per carton	20pcs
Standard carton measurement	480mm x 300mm x 360mm
Standard carton gross weight	6.7kg





SPECIFICATIONS

	Range
Measuring range	0~1250um
Accuracy	±(3%H+1)um
Resolution	0.1um (0~99.9um); 1um (100~1250um)
Measurement method	Single/Continuous
Measurement mode	Max/Min/Avg
Metal type	Ferrous/ non-ferrous
Features	
Display type	2.0-inches TFT LCD (320 x 240 pixels)
LCD brightness control	√
Auto rotatable screen	√
Unit conversion	√
Audio alarm	√
LED alarm	√
PC analysis software	√
USB communication	√
Quick test mode	√
Data storage	500 groups
Auto power off	√
Low battery indication	√



GENERAL CHARACTERISTICS

Power	3V battery (R03) x 2
Display	48mm x 36mm
Product color	Red and grey
Product net weight	175g
Product size	153.5mm x 64.5mm x 41mm
Standard accessories	Micro USB interface cable, standard piece, batteries, cloth bag
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	355mm x 320mm x 195mm
Standard carton gross weight	7.5kg

UT343D coating thickness gauge can measure coating thickness on ferrous and non-ferrous materials. This device is designed with a unique quick test feature, which allows users to set thickness range and using a 3-color LED and audio alarm to quickly determine if coating being tested falls within the preset range, greatly increasing work efficiency. UT343 display is auto rotatable. This CE certified device can store up to 500 sets of data for further analysis through the PC analytical software that is included.



● Auto-rotatable screen: 0°, 90°, 180°, 270°

● Quick test mode

UT350 series sound level meters can measure sound noise level and output results in dB. A or C weighted modes can be selected depending on the application. These meters consume very little power and can continuously work up to 20 hours. They are suitable for industrial and environmental sound level measurements.

- Auto power off (cancelable)
- 63 sets of data storage (**UT352**)
- AC/DC analog signal output
- Over/under range indication
- Simulated analog bar
- A (ear)/C (machine) weighting modes
- Manual/auto range selectable
- Fast/slow response rate (fast: 125ms, slow: 1s)
- Powered by batteries or external power source



SPECIFICATIONS

	Range	UT351	UT352
Range	30~80dB	±1.5dB	±1.5dB
	50~100dB	±1.5dB	±1.5dB
	60~110dB	±1.5dB	±1.5dB
	80~130dB	±1.5dB	±1.5dB
Frequency	31.5Hz~8000Hz	√	√
Frequency weighting	A&C	√	√
Sampling rate	Fast: 8 times/s	√	√
	Slow: 1 time/s	√	√
Features			
Analogue outputs	AC: 0.707Vrms full scale; Output impedance: around 600Ω	√	√
	DC: 2Vrms full scale; 10mV/dB; Output impedance: around 100Ω	√	√
Data hold/Auto power off		√	√
Low battery indication	≤4.8V	√	√
MAX/MIN mode		√	√
Data storage			63
High alarm	Display "OVER"	√	√
Lower alarm	Display "UNDER"	√	√
LCD backlight		√	√
Analog bar graph	30~130dB	√	√



● UT352

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 4
Display	53mm x 41mm
Product color	Red and grey
Product net weight	330g
Product size	273mm x 70mm x 39mm
Standard accessories	Windscreen, leather box
Standard individual packing	Gift Box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	670mm x 415mm x 120mm
Standard carton gross weight	7.3kg



● UT353BT

UT353/UT353BT mini digital sound level meters can convert ambient sound into electric signals, process data and display results on LCD. They can constantly monitor ambient sound. UT353BT can transfer measurement data through bluetooth to UNI-T's custom mobile APP (iENV) for further analysis, storage, and export. iENV can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV'.

- White backlight, clear LCD screen
- Adjustable sampling rate, fast/slow
- 1/2 inch condenser microphone
- Light weight, ergonomic design, user-friendly interface

SPECIFICATIONS

	UT353	UT353BT
Noise (A weighting)	30~130dB	30~130dB
Accuracy	±1.5dB	±1.5dB
Resolution	0.1dB	0.1dB
Sampling rate	Fast: 125ms	Fast: 125ms
	Slow: 1000ms	Slow: 1000ms
Frequency response	31.5Hz~8kHz	31.5Hz~8kHz
Features		
APP		√
Bluetooth®		√
Overload indication	OL	OL
MAX/MIN	√	√
Data hold	√	√
LCD backlight	√	√
Auto power off	√	√
Low battery indication	√	√



GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product color	Red and grey
Product net weight	116g
Product size	150mm x 52mm x 27mm
Standard accessories	Batteries, windscreen
Standard individual packing	Blister, English manual
Standard quantity per carton	UT353: 40pcs; UT353 BT: 20pcs
Standard carton measurement	UT353: 505mm x 330mm x 280mm
	UT353 BT: 367mm x 262mm x 290mm
Standard carton gross weight	UT353: 8.42kg; UT353 BT: 4.2kg

SPECIFICATIONS

	Range	UT361	UT362
Wind speed measurement	2m/s~10m/s	±(3%+0.5)	±(3%+0.5)
	10m/s~30m/s	±(3%+0.8)	±(3%+0.8)
Wind count measurement (CMM)	0.001~9999 x 100	√	√
Wind count measurement (CFM)	0.001~9999 x 100	√	√
Temperature measurement	0°C~40°C (32°F~104°F)	±3°C (±4°F)	±3°C (±4°F)
Features			
Display count		10000	10000
Data hold		√	√
Auto power off	Around 10 minutes	√	√
Low battery indication	≤7.2V	√	√
MAX/MIN mode		√	√
Data storage		2044	2044
USB interface			√
Auto record time setup		√	√
Units switch		√	√
LCD backlight		√	√
Wind speed display	Display "VEL"	√	√
Wind count display	Display "FLOW"	√	√



● UT362

UT360 series anemometers can measure temperature, wind speed, and wind count. These meters can be used in energy saving, HVAC, fishing and other industries that use exhaust or ventilation systems.

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	57mm x 37mm
Product color	Red and grey
Product net weight	375g
Product size	162mm x 78mm x 30mm
Standard accessories	Battery, USB interface cable (UT362), PC software CD (UT362), carrying bag
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	460mm x 335mm x 210mm
Standard carton gross weight	6.8kg



SPECIFICATIONS

	UT363	UT363BT
Wind speed	0~30m/s	0~30m/s
Wind speed accuracy	±(5%rdg+0.5)	±(5%rdg+0.5)
Wind speed resolution	0.1m/s	0.1m/s
Temperature	-10~50°C 14~122°F	-10~50°C 14~122°F
Temperature accuracy	±2°C/±4°F	±2°C/±4°F
Temperature resolution	0.1°C/0.2°F	0.1°C/0.2°F
Wind scale	Level 0~12	Level 0~12
Wind scale accuracy	±1	±1
Sampling rate	0.5s	0.5s
Features		
APP		√
Bluetooth®		√
Overload indication (>45m/s)	OL	OL
MAX/AVG	√	√
Data hold	√	√
LCD backlight	√	√
Auto power off	5 min	5 min
Low battery indication	3V~3.5V	3V~3.5V



● UT363 BT

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product color	Red and grey
Product net weight	118g
Product size	160mm x 50mm x 28mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual
Standard quantity per carton	UT363: 40pcs; UT363 BT: 20pcs
Standard carton measurement	UT363: 505mm x 330mm x 280mm UT363 BT: 332mm x 262mm x 290mm
Standard carton gross weight	UT363: 8.42kg; UT363 BT: 4.2kg

UT363/UT363BT are mini wind speed and temperature meters. UT363 and UT363BT can measure wind speeds up to 30m/s and 45m/s respectively. UT363BT can transfer measurement data through bluetooth to UNI-T's custom mobile APP (iENV) for further analysis, storage, and export. iENV can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV'.





UT363S is a stable, safe and reliable split-type anemometer, featuring quick detection, low consumption and high accuracy. It can be widely used in mining, electric, iron and steel, petrochemical, energy-saving, navigation, fan manufacturing, exhaust ventilation, sporting and more sectors.



SPECIFICATIONS

	Range	Resolution	Accuracy
Wind speed	0.4~30m/s	0~99: 0.01	±(5%+0.5m/s)
	1.4~108km/h		±(5%+1.5km/h)
	78~5905ft/min	100~999: 0.1	±(5%+100ft/min)
	0.7~58knots	≥1000: 1	±(5%+1knots)
	0.8~67mph		±(5%+1mph)
Temperature	-10~50°C	0.1°C	±2.0°C
	14~122°F	0.2°F	±4.0°F
Wind scale	0~12	1	±1

Features

Sampling rate	0.5s
Units	m/s, km/h, ft/min, knots, mph, °C/°F
Overload indication	√
Auto range	√
Auto power off	√
Low battery indication	√
Data hold	√
MAX/MIN/AVG	√
Backlight	√
Working temperature	0°C~40°C
1m drop test	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	35mm x 32mm
Product color	Red and grey
Product net weight	365g
Product size	120mm x 53mm x 43mm
Standard accessories	Batteries
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	20pcs
Standard carton measurement	550mm x 295mm x 350mm
Standard carton gross weight	7.2kg

UT370 series non-contact tachometers measure rotating speed of shaft or disk with a point laser and reflective tape on the object being measured. These meters can output RPM or count readouts without interfering with the equipment being measured.



● UT372

SPECIFICATIONS

	Range	UT371	UT372
RPM range	10RPM~99RPM	±(0.03%)	±(0.03%)
	100RPM~999RPM	±(0.04%+2)	±(0.04%+2)
	1000RPM~9999RPM	±(0.04%+2)	±(0.04%+2)
	10000RPM~99999RPM	±(0.04%+2)	±(0.04%+2)
Counts	Range: 0~99999		
	Max. input frequency: 10kHz; bandwidth: 5%	√	√
Target distance	50mm~200mm	√	√
Features			
Display count		100000	100000
Data hold		√	√
Auto power off	Around 15 minutes	√	√
Low battery indication	≤4.8V	√	√
MAX/MIN/AVG mode		√	√
USB interface			√

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) X 4
Display	53mm x 41mm
Product color	Red and grey
Product net weight	100g
Product size	184mm x 56mm x 34mm
Standard accessories	Reflective tape, USB interface cable (UT372), PC software CD (UT372)
Standard individual packing	Blister, English manual
Standard quantity per carton	20pcs
Standard carton measurement	420mm x 305mm x 370mm (0.047CBM per standard carton)
Standard carton gross weight	5kg



UT373 is a reliable digital non-contact tachometer used to measure rotation speed of motors and other machines. This device is able to display results in RPM or revolution count. UT373 is able to safely measure rotational objects through a non-intrusive method.

SPECIFICATIONS

	Range	Resolution	Accuracy
RPM measurement	10.0~9999.9RPM	0.1	±(0.04%+2)
	10000~99999RPM	1	
Counting measurement	0~99999 counts	1	±1
Features			
Auto range	√		
Auto power off	√		
Low battery indication	√		
Laser-on indication	√		
Data hold	√		
MAX/MIN	√		
Rotating speed/count function switching	√		
Overload indication	√		
LCD backlight	√		
Refresh rate	1s to 7s (>120rpm for 1s)		
Sensor type	Photodiode and laser tube		
Target distance	50mm~200mm		
Measuring angle	±30° from perpendicular		
Drop test	1m		



GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	5-digit segment code; 99999 max display
Product color	Red and grey
Product net weight	85g (excluding battery)
Product size	183.8mm x 56mm x 34mm
Standard accessories	Batteries, reflective tape
Standard individual packing	Bubble bag, gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	272mm x 225mm x 220mm
Standard carton gross weight	3kg



UT377A is a digital meter designed to measure the moisture content of wood, paper, plywood, and other wooden materials. This device classifies wood into four categories based on material density, and applies temperature compensation algorithm to ensure measurement accuracy. UT377A's miniature design, low power consumption, and high precision all make this a great product choice for measuring wood moisture content.

SPECIFICATIONS

	Range	Resolution	Accuracy
Wood moisture measurement (%)	2~40%	0.1%	±2%
Features			
Refresh rate	2 times/s		
Auto range	√		
Auto power off	√		
Low battery indication	√		
Data hold	√		
MAX/MIN	√		
Wood categories	4		
Backlight	√		
Ambient temperature correction	√		
Working temperature	0°C~40°C		
1m drop test	√		

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	35mm x 32mm
Product color	Red and grey
Product net weight	130g
Product size	135mm x 53mm x 28mm
Standard accessories	Batteries
Standard individual packing	Gift box, bubble bag, English manual
Standard quantity per carton	20pcs
Standard carton measurement	272mm x 225mm x 215mm
Standard carton gross weight	3.5kg





UT380 series light meters measure light intensity and display results in Lux or Fc. It has a high sampling rate of 100/s. UT380 series' low power consumption allows up to 200 hours of continuous operation. Results can be stored within the device and transferred to PC for further analysis, printing and storage.

SPECIFICATIONS

	Range	UT381	UT382
Illuminance measurement (Lux)	20 Lux	±(3%+20)	±(3%+20)
	200 Lux	±(3%+8)	±(3%+8)
	2000 Lux	±(3%+8)	±(3%+8)
	20000 Lux	±(3%+8)	±(3%+8)
Illuminance measurement (Fc)	2 Fc	√	√
	20 Fc	√	√
	200 Fc	√	√
	2000 Fc	√	√

Features

Display count		2000	2000
Auto range		√	√
Data hold		√	√
Auto power off	Around 10 minutes	√	√
Low battery indication	Around ≤7.1V	√	√
MAX/MIN mode		√	√
Data storage		2044	2044
USB interface			√
Auto record time setup		√	√
Real-time clock		√	√

GENERAL CHARACTERISTICS

Power	9V battery (6LF22)
Display	22.5mm x 32.5mm
Product color	Red and grey
Product net weight	185g
Product size	195mm x 45mm x 26mm
Standard accessories	Carrying bag, USB interface cable (UT382), PC software CD (UT382)
Standard individual packing	Blister, gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	447mm x 300mm x 335mm
Standard carton gross weight	7kg



● UT382



UT383/UT383BT can effectively measure light intensity and display results in units of Lux or FC on screen. UT383BT can transfer measurement data through bluetooth to UNI-T's custom mobile APP (iENV) for further analysis, storage, and export. iENV can be downloaded from Google Play, Apple Store, or UNI-T's website by searching 'iENV'.

SPECIFICATIONS

	UT383	UT383BT
Illuminance measurement (LUX)	0~199,900Lux	0~199,900Lux
Illuminance measurement (FC)	0~18,500Fc	0~18,500Fc
Accuracy	0~9999Lux/0~999Fc: $\pm(4\%+8)$	
	≥ 10000 Lux/ ≥ 1000 Fc: $\pm(5\%+10)$	
	≥ 100000 Lux/ ≥ 9999 Fc: $\pm(5\%+10)$	
Resolution	1Lux (0~9999Lux)	
	10Lux ($\geq 10,000$ Lux)	
	100Lux ($\geq 100,000$ Lux)	
	1Fc (0~9999Fc); FC=Lux/10.76	
Sampling time	10Fc ($\geq 10,000$ Fc); FC=Lux/10.76	
	0.5s	
Features		
APP		√
Bluetooth®		√
Overload indication	OL	OL
MAX/MIN	√	√
Data hold	√	√
LCD backlight	√	√
Auto power off	√	√
Low battery indication	√	√
Tripod mounting hole		√



● UT383 BT

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product color	Red and grey
Product net weight	118g
Product size	160mm x 50mm x 28mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual
Standard quantity per carton	UT383: 40pcs; UT383 BT: 20pcs
Standard carton measurement	UT383: 505mm x 330mm x 280mm
	UT383 BT: 332mm x 262mm x 290mm
Standard carton gross weight	UT383: 8.42kg; UT383 BT: 4.2kg



- Split probe
- Sampling time: 0.5s
- Auto range
- Lux/Fc selectable
- Max/Min
- Overload indication (LO/HI)
- Data hold
- Backlight
- Auto power off
- Low battery indication

Applications:

Public settings, light manufacturing, photo studios, interior renovation, construction, greenhouses.

SPECIFICATIONS

	Range	Resolution	Accuracy
Illuminance	0~199,900Lux	1Lux (0~9999Lux)	±(4%+8)
		10Lux (≥10,000Lux)	±(5%+10)
		100Lux (≥100,000Lux)	±(5%+10)
		0.1Fc (0~999.9Fc)	FC=Lux/10.76
		1Fc (≥1000Fc)	
		10Fc (≥10,000Fc)	

Features

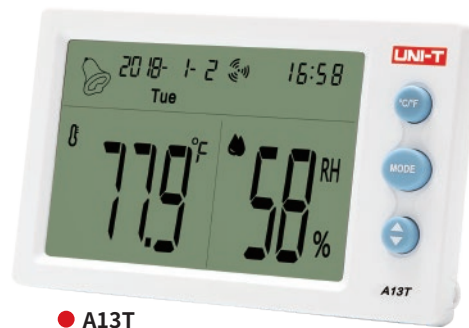
MAX/MIN	√
Data hold	√
Overload indication	√
Backlight	√
Auto power off	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 3
Display	35mm x 32mm
Product color	Red and grey
Product net weight	300g
Product size	110mm x 53mm x 26mm
Standard accessories	Batteries
Standard individual packing	Blister, gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	560mm x 300mm x 335mm
Standard carton gross weight	6.9kg



● A12T



● A13T

A12T/13T measures real-time temperature and humidity and display readings on a large screen. These can be used for both indoor and outdoor measurements. A12T has an additional external sensor probe for measuring temperatures of two locations. Both of these meters have alarm clock and 12/24 time mode. A12T displays comfort rating based on the combination of temperature and humidity. Hanging hole and stand are available for wall or table mount.

Applications: Labs, offices, hotels, schools, factories, meeting rooms, airports, pharmacies, warehouses, restaurants, greenhouses, nurseries, gardens, homes, shopping malls, museums, animal husbandry, and more.



SPECIFICATIONS

	Range	A12T	A13T
Temperature (°C)	-10°C~50°C	±1°C (0~40°C)	±1°C (0~40°C)
Humidity	20%~95%RH	±5%RH (40%~80%RH)	±5%RH (40%~80%RH)
External temperature probe	-10°C~50°C	±1°C (0~40°C)	
Features			
°C/°F selection		√	√
MAX/MIN		√	
Comfort rating	Wet/dry/comfort	√	
Sampling time	10s	√	
Alarm clock/time display		√	√
Date/calendar			√
12/24 hour modes		√	√
External temperature probe		√	

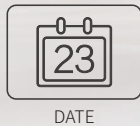
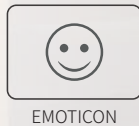
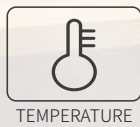
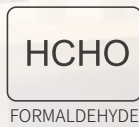
GENERAL CHARACTERISTICS

Power	1.5V battery (R03) x 1
Display	92.5mm x 60mm
Product color	White
Product net weight	110g
Product size	130mm x 22mm x 78mm
Standard accessories	Batteries, External Temperature Probe (A12T)
Standard individual packing	Gift box, bubble bag, English manual
Standard quantity per carton	80pcs
Standard carton measurement	400mm x 330mm x 290mm
Standard carton gross weight	A12T: 13.2kg; A13T: 12.2kg

A15F Formaldehyde Meter



A15F is an air quality monitor for real time monitoring of formaldehyde (HCHO), a colorless carcinogenic gas. This device is widely used in homes, shopping malls, offices, vehicles, stations etc.



SPECIFICATIONS

	Range	Resolution	Accuracy
Formaldehyde (mg/m ³)	0~2mg/m ³	0.01mg/m ³	≤0.14mg/m ³ : ±25%+0.05mg/m ³ ≥0.15mg/m ³ : ±50%+0.05mg/m ³
Temperature (°C)	-10°C~50°C	0.1°C	±1°C
Temperature (°F)	14°F~122°F	0.2°F	±1.8°F
Humidity	0%RH~99%RH	1%RH	±5%RH@30%~80%RH ±8%RH@<30%RH, >80%RH

Features

Auto power off	√
Low battery indication	√
Date and time	√
Visual backlight alarm	√
MAX/MIN	√
Backlight	√
Concentration emoticon	√

GENERAL CHARACTERISTICS

Power	1300mAh rechargeable battery
Display	64.75 x 42mm
Product color	White and grey
Product net weight	230g
Product size	130mm x 75mm x 55.4mm
Standard accessory	1m USB interface cable
Standard individual packing	Gift box, English manual, blister
Standard quantity per carton	5pcs
Standard carton measurement	360mm x 185mm x 140mm
Standard carton gross weight	2.2kg



A25M (handheld) /A25D (benchtop) /A25F (benchtop) are air quality meters used to measure PM2.5 concentration. A25F can also measure formaldehyde concentration. PM2.5/Formaldehyde concentrations display different emoticons on screen to help users visualize their environmental conditions. A25 series can be used in homes, laboratories, offices, hotels, schools, factories, conference rooms, airports, hospitals, restaurants, and many other public places.

- Precise PM2.5 concentration based on pre-calibrated sensors
- Temperature measurement (°C/°F)
- Humidity measurement (A25D, A25F)
- Emoticon display
- LCD backlight and red backlight alarm
- Battery status, low power, auto power off
- Formaldehyde concentration (A25F)



● A25M



● A25F

■ SPECIFICATIONS

	Range	A25M	A25D	A25F
PM2.5 (ug/m ³)	0~100	±(10ug/m ³ +10dgts)	±(10ug/m ³ +10dgts)	±(10ug/m ³ +10dgts)
	101~400	±(10%+30dgts)	±(10%+30dgts)	±(10%+30dgts)
	401~500	±(10%+50dgts)	±(10%+50dgts)	±(10%+50dgts)
Formaldehyde (mg/m ³)	0~0.6			±0.06 mg/m ³
	0.6~2			±10%
Temperature (°C)	0~2mg/m ³	For reference only	±1°C	±1°C
Temperature(°F)	0~2mg/m ³	For reference only	±1.8°F	±1.8°F
Humidity	5%~99%RH		±5%RH@30%~80%RH	≤0.14mg/m ³ : ±25%+0.05mg/m ³
			±8%RH@<30%RH, >80%RH	≥0.15mg/m ³ : ±50%+0.05mg/m ³

Features

Auto power off		√	√	√
Low battery indication		√	√	√
Red backlight alarm		√	√	√
LCD backlight		√	√	√
Concentration emoticon		√	√	√

■ GENERAL CHARACTERISTICS

Power	A25M: 520mAh rechargeable polymer battery; A25D/A25F: 1500mAh rechargeable polymer battery
Display	A25M: 35mm x 35mm; A25D/A25F: 42mm x 65mm
Product color	White and grey
Product net weight	A25M: 85g; A25D/A25F: 230g
Product size	A25M: 64mm x 60mm x 28mm; A25D/A25F: 75mm x 55mm x 130mm
Standard accessories	1m micro interface cable, wall mount (A25M)
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	A25M: 20pcs; A25D/A25F: 5pcs
Standard carton measurement	A25M: 325mm x 215mm x 210mm; A25D/A25F: 360mm x 185mm x 140mm
Standard carton gross weight	A25M: 4.5kg; A25D/A25F: 2.35kg

A37 is used to detect CO₂ concentration in different environments. The LCD displays CO₂ concentration, temperature, humidity, and date/time together. Air quality is indicated with emoticons. When CO₂ concentration gets too high, audio and visual alarm will go off.



SPECIFICATIONS

	Range	Resolution	Accuracy
Carbon dioxide	400ppm~5000ppm	1ppm	± (5%rdg + 50ppm) from 400ppm~2000ppm (at ambient temperature and humidity)
Temperature	-10.0°C~50.0°C	0.1°C	Typical accuracy: ±1°C
Relative humidity	0%RH~99%RH	1%RH	Typical accuracy: ±5%RH (10%RH~90%RH) at 25°C

Features

ABC	Automatic baseline correction	√
Audible and visual alarm		√
Sensor type	NDIR (no-dispersive infrared) CO ₂ sensor	√
Response time		√
Date/time		√
Low battery indication		√
Auto power off	<2minutes	√
Backlight		√
Operating temperature	0°C~50°C, 0%RH~85%RH	√
Storage temperature	-20°C~60°C, 0%RH~95%RH	√

GENERAL CHARACTERISTICS

Power	3.7V DC Li-ion battery/ Micro USB charging port
Display	42mm x 65mm
Product color	White and grey
Product net weight	195g
Product size	75mm x 55mm x 130mm
Standard accessories	Micro USB interface cable
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	5pcs
Standard carton measurement	360mm x 185mm x 140mm
Standard carton gross weight	2.35kg

UT387 series wall scanners are great tools designed for construction and home improvement sector. These scanners can pick up hidden objects behind walls, such as metals, live electrical wires, and wood. UT387A is designed for dry wall, but it can also effectively scan hardwood flooring, plywood, and coated wooden walls. It has two scanning modes, these are used for scanning walls of different thickness.

SPECIFICATIONS

	UT387A		UT387B
Maximum detectable distance	StudScan	ThickScan	
Ferrous metals	19mm	28.5mm	80mm
Non-ferrous metals	19mm	28.5mm	80mm
Copper conductors (live)	50mm		50mm
Wood	19mm	28.5mm	20mm
Features			
Scanning modes	StudScan and ThickScan		
Auto calibration	√		
User calibration			√
Buzzer indication	√		√
Auto power off	√		√
Silent mode			√
Error calibration alarm	√		
LED alarm	√		√
Low battery indication	√		√



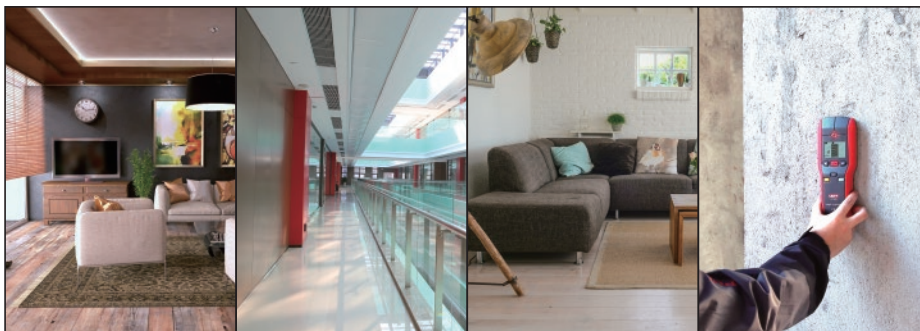
● UT387A

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Product color	Red and grey
Product net weight	UT387A: 153g; UT387B: 274g
Product size	UT387A: 170mm x 70.5mm x 38.9mm UT387B: 220mm x 83mm x 30mm
Standard accessories	Battery, carrying bag (UT387B)
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	295mm x 290mm x 205mm
Standard carton gross weight	4.5kg



● UT387B





● LM40

The LM series laser distance meters are portable devices that can easily and accurately measure length, area, and volume by pressing one button. These tools can be used in interior/exterior design, construction, factory supervision, engineering inspection, traffic accident evidence gathering, real estate development, fire assessment, and more.

- Ergonomic exterior, comfortable handling
- Millimeter accuracy
- Large, multiple angle HD display
- Quick, auto calculation with real-time readout
- Physical leveler
- Multiple functions: Max/Min/continuous measurement, displacement calculation, data storage, and more
- Auto power off after 3 minutes without operation



SPECIFICATIONS

	LM40	LM50	LM60
Display type	EBTN		
Display size	2.0-inches		
Range	40m	50m	60m
Min. display unit	0.001m		
Measurement units	m/ft/in		
Measurement basis	front/rear		
Accuracy	$\pm(2\text{mm}+5 \times 10^{-5} D)$		
Laser class	2		
Laser type	630~670nm, <1mW		
Features			
Single measurement	√		
Continuous measurement	√		
Max/Min/Area	√		
Volume	√		
Pythagoras	√		
Add/Subtract	√		
Data storage	20 groups		
Auto power off	3 minutes without operation		
Auto laser off	30s without operation		
Auto backlight off	10s without operation		
Audio indication	√		
Battery status display	√		
Storage temperature	-20°C~70°C		
Operating temperature	0°C~40°C		



● LM100

- Ergonomic exterior, comfortable handling
- Millimeter accuracy
- Large, multiple angle HD display
- Quick, auto calculation with real-time readout
- Physical and electronics leveler
- Multiple functions: Max/Min/continuous measurement, displacement calculation, data storage, and more
- Auto power off after 3 minutes without operation

SPECIFICATIONS

	LM80	LM100	LM120	LM150
Display type	LCD			
Display size	2.0-inches			
Range	80m	100m	120m	150m
Min. display unit	0.001m			
Measurement units	m/ft/in			
Measurement basis	front/rear			
Accuracy	$\pm(2\text{mm}+5 \times 10^{-5}\text{D})$			
Laser class	2			
Laser type	630~670nm, < 1mW			
Features				
Single measurement	√			
Continuous measurement	√			
Max/Min/Area	√			
Volume	√			
Pythagoras	√			
Add/Subtract	√			
Auto leveling horizontal	√			
Auto leveling vertical	√			
Data storage	20 groups			
Auto power off	3 minutes without operation			
Auto laser off	30s without operation			
Auto backlight off	10s without operation			
Tilt angle	$\pm 90.0^\circ$			
Audio indication	√			
Battery status display	√			
Storage temperature	$-20^\circ\text{C}\sim 70^\circ\text{C}$			
Operating temperature	$0^\circ\text{C}\sim 40^\circ\text{C}$			





● LM100D

- Ergonomic exterior, comfortable handling
- Millimeter accuracy
- Large, HD display
- Auto voice and audio indication
- USB data transmission
- Curvature measurement, test curve length via the roller
- Auto power off after 3 minutes without operation
- Convenient angle measurement via electronic leveling
- IP65, dust and water proof

Applications

Interior/exterior design, construction, factory supervision, engineering inspection, traffic accident evidence gathering, real estate development, fire assessment, and more.

SPECIFICATIONS

	LM50D	LM100D
Display type	EBTN	
Display size	2.4-inches	
Range	50m	100m
Min. display unit	0.001m	
Measurement units	m/ft/in	
Measurement basis	Front/middle/rear	
Accuracy	$\pm(2\text{mm}+5 \times 10^{-5} \text{D})$	
Laser class	2	
Laser type	630~670nm, < 1mW	

Features

Single measurement	√
Continuous measurement	√
Max/Min/Area	√
Volume	√
Pythagoras	√
Triangle area	√
Auto leveling horizontal	√
Auto leveling vertical	√
Add/Subtract	√
Curvature measurement	√
Displacement	√
Trapezoid	√
Data storage	20 groups
Auto power off	3 minutes without operation
Auto laser off	30s without operation
Auto backlight off	10s without operation
Electronic leveler	√
Audio indication	√
Voice indication	√
Battery status display	√
Storage temperature	-20°C~70°C
Operating temperature	0°C~40°C
IP rating	IP65





● LM120D PRO

- Ergonomic exterior, comfortable handling, millimeter accuracy
- Large, HD and rotatable display
- Auto voice and audio indication; USB data transmission
- Bluetooth function, auto measurement via phone App; directly display data in 2D image
- Curvature measurement, test curve length via the roller
- Auto power off after 3 minutes without operation
- One button to enable line laser marking
- Convenient angle measurement via electronic leveling
- IP65, dust and water proof

Applications









Interior/exterior design, construction, factory supervision, engineering inspection, traffic accident evidence gathering, real estate development, fire assessment, and more.

SPECIFICATIONS

	LM80D PRO	LM120D PRO
Display type	Color EBTN	
Display size	2.4-inches	
Range	80m	120m
Min. display unit	0.001m	
Measurement units	m/ft/in	
Measurement basis	Front/middle/rear	
Accuracy	$\pm(2\text{mm}+5 \times 10^{-5} \text{D})$	
Laser class	2	
Laser type	630~670nm, < 1mW	
Features		
Single measurement	√	
Continuous measurement	√	
Max/Min/Area	√	
Volume	√	
Pythagoras	√	
Triangle area	√	
Auto leveling horizontal	√	
Auto leveling vertical	√	
Add/Subtract	√	
Curvature measurement	√	
Displacement	√	
Trapezoid	√	
Data storage	50 groups	
Auto power off	3 minutes without operation	
Auto laser off	30s without operation	
Auto backlight off	10s without operation	
Electronic leveler	√	
Audio/Voice indication	√	
Bluetooth	√	
Line laser marking	√	
Storage temperature	-20°C~70°C	
Operating temperature	0°C~40°C	
IP rating	IP65	



UNI-T's new LM series laser rangefinders enable accurate measurement of height, distance, and angle. The new speed measurement function adopts low power pulsed laser that is safe for the eyes. The new and improved LM series laser rangefinders are perfect tools for a wide variety of applications such as engineering surveying, power line inspection, building construction, navigation, golf, and hunting.

- 
7X optical zoom telescope
- 
HD coating
- 
Skidproof
- 
Built-in Li-ion battery
- 
Distance: 5~1500yd
- 
Height: 0~600yd
- 
Speed: 0~300km/h (0~186mi/h)
- 
Angle: ±60°C



SPECIFICATIONS

	LM600	LM800	LM1000	LM1200	LM1500
Distance range	5~600yd	5~800yd	5~1000yd	5~1200yd	5~1500yd
Accuracy	±1yd ± DX 0.2%				
Magnification	7X				
Objective caliber	25mm				
Height	250yd	300yd	450yd	500yd	600yd
Height error	±0.5yd				
Velocity range	0-300km/h				
Angle	±60°				
Angle error	±1°				
Features					
Pulse laser	Harmless to eyes				
Fast distance measurement/LCD display	√				
Silent operation	Auto power off system				

GENERAL CHARACTERISTICS

Power	3.7V Li-ion battery 1500mAh
Product color	Red and grey
Product net weight	230g
Product size	114mm x 76mm x 48mm
Standard accessories	Carrying bag, hanging cord, USB interface cable
Standard individual packing	Gift box, English manual
Standard quantity per carton	6pcs
Standard carton measurement	350mm x 315mm x 112mm
Standard carton gross weight	LM600/LM800: 2.6kg; LM1000/LM1200/LM1500: 2.94kg



Electrical Installation Testers

Electricity is a double-edged sword. It can bring us convenience by powering our appliances, or it can end our lives through exposure to high current electrical shock. For example, the break down of electric motors, cables and household appliances by high voltage or environmental factors such as corrosion, sunlight, humidity and dust may affect insulation or earth ground protection. These events may result in economic and energy loss, human injury, or even lead to catastrophes. UNI-T helps to minimize these risks by providing accurate and safe meters for measuring insulation, earth ground resistance, RCD, etc.

Insulation Resistance Tester Selection

Features	Handheld 1kV		1kV		2.5kV	1kV	2.5kV	5kV
	UT505A	UT505B	UT501A	UT501B	UT502A	UT511	UT512/UT512A	UT513A
Test voltage	50V/100V/250V/ 500V/1000V		100V/250V/ 500V/1000V	250V/500V/ 1000V	500V/1000V/ 2500V	100V/250V/ 500V/1000V	500V/1000V/ 1500V/2500V	500V/1000V/ 2500V/5000V
Insulation resistance	20GΩ	200GΩ	5GΩ		20GΩ	10GΩ	100GΩ	1TΩ
Step voltage	50%-120% in range and 10% of step		–	–	–	–	–	–
Short-circuit current	<2mA		<2mA			<2mA	<1.8mA	~3.5mA
Comparison function	●		–			●		
Polarization index (PI)	●		–	●		●		
Dielectric absorption ratio (DAR)	●		–	●		●		
Auto discharge	●		●			●		
Low resistance	20kΩ	10MΩ	–	200Ω		999.9Ω	–	–
Display count	6000		2000			10000		
True RMS	●		–			–		
Auto range	●		●			●		
Multimeter Function								
DC voltage	600V		–		1000V	1000V	600V	
AC voltage	600V		750V	600V	750V	750V	600V	
Resistance	–	10MΩ	–	–	–	–	–	–
Capacitance	–	500μF	–	–	–	–	–	–
Frequency	–	1kHz	–	–	–	–	–	–
Data and Transmission								
USB data transmission	–		–			–	●	
Data storage	99 groups		–			18 groups		
Display								
High voltage prompt	●		●			●		
LCD backlight	●		●			●		
Analog bar	●		–			●		
Low battery indication	●		●			●		
Overload prompt	●		●			●		
Other Functions								
Light alarm	●		●			–		
Buzzer alarm	●		●			●		
Auto power off	●		●			●		
Timing measurement	●		–			–		
Meets IEC 61557	61557-1:2007, 61557-2:2007, 61557-4:2007		UT501A: 61557-1:2007, 61557-2:2007 UT501B/UT502A: 61557-1:2007, 61557-2:2007, 61557-4:2007			–	UT512A/UT513A: 61557-1:2007, 61557-2:2007	
Category ratings	CAT IV 600V		CAT III 600V			CAT III 600V		



SPECIFICATIONS

		Range	UT505A	UT505B
Insulation resistance (Ω)	50V	50V/100V/250V/500V/1000V	0%~10%	0%~20%
		0.01MΩ~50MΩ	±(3%+5)	±(3%+3)
		50MΩ~1GΩ		±(3%+3)
		1GΩ~10GΩ		±(10%+3)
	100V	0.01MΩ~100MΩ	±(3%+5)	±(3%+3)
		100MΩ~1GΩ		±(3%+3)
	250V	1GΩ~20GΩ		±(10%+3)
		0.01MΩ~200MΩ	±(1.5%+5)	±(1.5%+5)
	500V	200MΩ~1GΩ		±(1.5%+5)
		1GΩ~50GΩ		±(10%+3)
		0.01MΩ~500MΩ	±(1.5%+5)	±(1.5%+5)
	1000V	500MΩ~1GΩ		±(1.5%+5)
		1GΩ~100GΩ		±(10%+3)
		0.1MΩ~2000MΩ	±(1.5%+5)	±(1.5%+5)
		2GΩ~9.9GΩ	±(10%+3)	±(5%+3)
Load current	10GΩ~20GΩ	±(20%+10)	±(7%+3)	
	20GΩ~200GΩ		±(20%+3)	
	50V (R=50kΩ) 1mA	0%~10%	0%~10%	
	100V (R=100kΩ) 1mA	0%~10%	0%~10%	
	250V (R=250kΩ) 1mA	0%~10%	0%~10%	
Short circuit current	500V (R=500kΩ) 1mA	0%~10%	0%~10%	
	1000V (R=1MΩ) 1mA	0%~10%	0%~10%	
	Leakage current (A)		<2mA	<2mA
	Low resistance (Ω)		10~2000μA	±(10%+3)
General resistance (Ω)	0.01Ω~20kΩ (about 5V/>200mA)		±(1.5%+3)	
	0.01Ω~100Ω (about 5V/>200mA/20mA optional)			±(1.5%+3)
DC voltage (V)	0.01kΩ~10MΩ			±(3%+3)
AC voltage (V)	0V~600V		±(2%+3)	±(2%+3)
Frequency (Hz)	0V~600V		±(2%+3)	±(1.5%+5)
Capacitance (F)	45~1kHz			±(0.1%+3)
Features		100pF~500μF		±(5%+5)
Display count			6000	6000
Auto range/True RMS			√	√
Step voltage	10% steps at 50%~120% of range		√	√
DAR	60s/15s and 60s/30s		√	√
PI/Timing measurement			√	√
Auto discharge			√	√
Auto fuse check				√
Analog bar graph			√	√
Continuity buzzer			√	√
Comparison measurement			√	√
Low battery indication			√	√



● UT505A

UT505 series handheld true RMS insulation resistance testers combine features of a digital multimeter and insulation resistance tester. Aside from the typical multimeter functions, these meters can also measure insulation resistance, PI, DAR, and automatically calculate resistance ratio to determine the insulation status.

UT505 can be used in insulation resistance testing of precision tools, including motors, cables, transformers, switches, electrical appliances, and insulated materials.

- Auto power off
- LCD backlight
- High voltage output alarm
- 99-group data storage
- Data hold
- Meets IEC 61557 61557-1:2007; 61557-2:2007; 61557-4:2007

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Display	78mm x 59mm
Product color	Red and grey
Product net weight	630g
Product size	103mm x 225mm x 59mm
Standard accessories	Batteries, test leads, test probes, alligator clips
Standard individual packing	Carrying bag, gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	515mm x 380mm x 385mm (0.075 CBM per standard carton)
Standard carton gross weight	20.8kg
Optional accessory	Remote test lead



SPECIFICATIONS

	Range	UT501A	UT501B	UT502A	
Insulation resistance (Ω)	Test voltages	100V/250V/500V/1000V	0%~10%		
		250V/500V/1000V		0%~10%	
		500V/1000V/2500V		0%~10%	
	100V	0M Ω ~100M Ω	$\pm(3\%+5)$		
	250V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	
	500V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	
	1000V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	
	2500V	0M Ω ~99.9M Ω 100M Ω ~9.9G Ω 10G Ω ~20G Ω		$\pm(3\%+5)$ $\pm(5\%+5)$ $\pm(10\%+5)$	
	Load current	50V (R=50k Ω) 1mA	0%~10%	0%~10%	0%~10%
		100V (R=100k Ω) 1mA	0%~10%	0%~10%	0%~10%
250V (R=250k Ω) 1mA		0%~10%	0%~10%	0%~10%	
500V (R=500k Ω) 1mA		0%~10%	0%~10%	0%~10%	
1000V (R=1M Ω) 1mA		0%~10%	0%~10%	0%~10%	
2500V (R=1M Ω) 1mA				0%~10%	
Short-circuit current		<2mA	<2mA	<2mA	
Low resistance (Ω)	0.01 Ω ~200 Ω (about 5.0V/>200mA)		$\pm(2\%+3)$	$\pm(2\%+3)$	
AC voltage (V)	30V~750V	$\pm(2\%+3)$			
	30V~600V		$\pm(2\%+3)$	$\pm(2\%+3)$	
Features					
Display count		2000	2000	2000	
DAR	60s/15s and 60s/30s		√	√	
PI			√	√	
Auto range/Low battery indication		√	√	√	
LCD backlight/Light alarm		√	√	√	
Buzzer alarm/High voltage indication		√	√	√	
Over load indication/Auto discharge		√	√	√	
Test voltage secondary display		√	√	√	
10M Ω internal resistance test		√	√	√	
Meets IEC 61557	61557-1:2007; 61557-2:2007; 61557-4:2007 (UT502A only)				

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Display	70.6mm x 34mm
Product color	Red and grey
Product net weight	500g
Product size	150mm x 100mm x 71mm
Standard accessories	Batteries, test leads, alligator clips, gallus, test probes (UT502A)
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	20pcs
Standard carton measurement	500mm x 380mm x 330mm (0.063 CBM per standard carton)
Standard carton gross weight	UT501A: 17.7kg; UT501B: 20.9kg; UT502A: 18.9kg

SPECIFICATIONS

	Range	UT511	UT512 UT512A	UT513A	
Insulation resistance (Ω)	Test voltages	100V~1000V	0%~10%		
		500V~2500V		0%~20%	
		500V~5000V		0%~20%	
	100V	0.1M Ω ~500M Ω	$\pm(3\%+5)$		
	250V	0.5M Ω ~2G Ω	$\pm(3\%+5)$		
	500V	1M Ω ~4G Ω	$\pm(3\%+5)$		
		0.5M Ω ~5G Ω		$\pm(3\%+5)$	
		0.5M Ω ~20G Ω			$\pm(3\%+5)$
	1000V	2M Ω ~10G Ω	$\pm(3\%+5)$	$\pm(3\%+5)$	
		1M Ω ~40G Ω			$\pm(3\%+5)$
1500V	5M Ω ~20G Ω		$\pm(3\%+5)$		
2500V	2.5M Ω ~100G Ω		$\pm(3\%+5)$	$\pm(3\%+5)$	
	10M Ω ~100G Ω		$\pm(3\%+5)$		
5000V	5M Ω ~1000G Ω			$\pm(3\%+5)$	
DC voltage (V)	1000V		$\pm(2\%+3)$		
	600V		$\pm(2\%+5)$	$\pm(2\%+3)$	
AC voltage (V)	750V	$\pm(2\%+3)$			
	600V		$\pm(2\%+5)$	$\pm(2\%+3)$	
Short-circuit current		<2mA	<1.8mA	>3mA	
Low resistance (Ω)	0.1 Ω ~999.9 Ω	$\pm(1\%+3)$			
Features					
Auto range/Auto power off		√	√	√	
Test voltage secondary display				√	
Low battery indication		√	√	√	
Data storage		18	18	18	
Comparison measurement		√	√	√	
Polarization index (PI)		√	√	√	
Dielectric absorption ratio (DAR)		√	√	√	
USB interface			√	√	
Analog bar graph		30	30	30	
LCD backlight		√	√	√	
Over-range warning		√	√	√	
High voltage indication		√	√	√	
Timing measurement	Around 30 minutes	√			
	Around 15 minutes		√	√	
Meets IEC 61557	UT512A/UT513A: 61557-1:2007; 61557-2:2007				



● UT513A

GENERAL CHARACTERISTICS

Power	1.5V battery (LR14) x 8
Display	123mm x 58mm
Product color	Red and grey
Product net weight	UT511: 1.2kg; UT512/UT512A: 1.8kg; UT513A: 2kg
Product size	202mm x 155mm x 94mm
Standard accessories	2pcs of one plug test lead to one alligator clip (black and green), 1pcs of two plugs test lead to one alligator clip (red), batteries, USB cable (UT512/UT512A/UT513A), PC software CD (UT512/UT512A/UT513A), power adaptor (UT512/UT512A/UT513A)
Standard individual packing	Gift box, tool box, English manual
Standard quantity per carton	4pcs
Standard carton measurement	505mm x 345mm x 345mm
Standard carton gross weight	UT511: 13.4kg; UT512/UT512A: 15.9kg; UT513A: 18.9kg
Optional accessories	Power adaptor (UT511)



● UT522

UT520 series can perform precise 3-wire and simple 2-wire earth resistance measurement for power and electrical systems, lightning protection equipment, and ground system of all electrical equipment. This series is UNI-T's introductory earth resistance tester with high economic value. Its light weight design is convenient for field work.

SPECIFICATIONS

	Range	UT521	UT522
Earth resistance (Ω)	0~20Ω	±(2%+10)	
	0~200Ω	±(2%+3)	
	0~2000Ω	±(2%+3)	
	0~40Ω		±(2%+20)
	0~400Ω		±(2%+3)
	0~4000Ω		±(2%+3)
AC earth voltage (V)	0~200V	±(1%+4)	
	0~400V		±(1%+6)
	Frequency: 50Hz/60Hz	√	√

Features

Display count		2000	4000
Manual range		√	√
Auto power off	Around 10 minutes	√	√
Low battery indication		√	√
Data hold		√	√
Data storage		20	20
LCD backlight		√	√
Full icon display		√	√
Double insulation protection		√	√
Poor contact display	"...Ω"	√	√
Over-range display	Display "OL"	√	√
Simple 2-wire testing		√	√
Precise 3-wire testing		√	√

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Display	70.6mm x 34mm
Product color	Red and grey
Product net weight	560g
Product size	160mm x 100mm x 70.5mm
Standard accessories	Batteries, simple test leads with alligator clips, standard test leads with alligator clips, earth spike, gullus
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	8pcs
Standard carton measurement	530mm x 300mm x 350mm (0.056 CBM per standard carton)
Standard carton gross weight	19kg



UT526 is a multifunctional electrical installation tester. It can be used to test insulation resistance, RCD status, low resistance continuity, and voltage measurements. UT526 can be used to test power distribution system, lightning protection system and wiring systems to ensure safe operations.

SPECIFICATIONS

	Range	UT526	
Insulation resistance (Ω)	Test voltages	250V/500V/1000V	
	250V	0.05MΩ~200MΩ	
	500V	0.05MΩ~300MΩ	
	1000V	0.05MΩ~500MΩ	
	Load current	250V (R=250kΩ) 1mA 500V (R=500kΩ) 1mA 1000V (R=1MΩ) 1mA	±10% ±10% ±10%
	Short circuit current	<2mA	√
RCD	Operating voltage (Freq.)	220V (45Hz~65Hz)	
	Test current	10mA/30mA/100mA/300mA	
	Trip time	0ms~2000ms, 1Δn general (10mA) 0ms~500ms, 1Δn general 0ms~300ms, 1Δn general (100mA, 300mA)	±(5%+2)
Low resistance continuity	Range	0Ω~2000Ω	
	Test voltage	Around 5V	
	Test current	>200mA (R<2Ω)	
Voltage measurement (V)	DC voltage	0~440V	
	AC voltage	0~440V	
	Frequency (For reference only)	√	
	Features		
Display count		10000	
Manual range		√	
Phase switch (RCD)	0°and 180°	√	
Low battery indication		√	
Auto AC/DC voltage identification		√	
Red warning lights		√	

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 6
Display	71mm x 34mm
Product color	Red and grey
Product net weight	380g
Product size	160mm x 100mm x 71mm
Standard accessories	Batteries, carrying bag, gallus, test leads, alligator clips, test line
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	445mm x 440mm x 180mm (0.063 CBM per standard carton)
Standard carton gross weight	12.8kg



SPECIFICATIONS

	Range	UT572
Earth resistance (Re)	4Ω	±(3%+15)
	40Ω	
	400Ω	±(3%+5)
	4kΩ	
	40kΩ	
4Ω		
Soil resistivity (ρ)	40Ω	$\rho=2 \times \pi \times L \times Re$ (Depending on the test result of Re)
	400Ω	
	4kΩ	
	40kΩ	
	40kΩ	
Disturbance voltage (Ust)	50V (DC voltage/40Hz~500Hz)	±(3%+3)
Disturbance frequency (Fst)	40Hz~500Hz	±(1%+2)
Features		
2/3/4-wire test		√
Earth resistance test frequency	94/128Hz	√
Soil resistivity test distances	1~40m	√
Earth resistance RH and RS test		√
Compensating resistance RK test		√
Data hold		√
Data storage		20
LCD backlight		√
Auto power off	Around 5 minutes	√
Low battery indication	≤9.5V	√

UT572 is for measuring earth resistance and soil resistivity. It can automatically check interface connection and detect interference voltage/frequency, with data hold and indication functions. It can perform 2/3/4-wire measurements for different on-site applications, such as power equipment wiring and lightning protection equipment.

GENERAL CHARACTERISTICS

Power	1.5V battery (LR6) x 8
Display	125mm x 37mm
Product color	Red and grey
Product net weight	1100g
Product size	210mm x 175mm x 90 mm
Standard accessories	Batteries, simple test leads with alligator clips(double plugs x 1, single plug x 1), earth spike x 4, standard test leads with alligator clips (40m red x 1, 20m red x 1, 20m black x 1, 10m yellow x 1, 5m green x 1), gallus
Standard individual packing	Gift box, carrying bag, toolbox, English manual
Standard quantity per carton	2pcs
Standard carton measurement	475mm x 378mm x 335mm (0.064CBM per standard carton)
Standard carton gross weight	14kg



UNI-T's UT582 is a 1000-count digital RCD (ELCB) tester with phase switch, connections check, AUTO RAMP, disconnect buzzer, over-range display and more. It meets IEC61557 standard.



SPECIFICATIONS

		Range	UT582
RCD measurement	Range setting	Rated operating current	Trip time
	X 1/2	10mA/20mA/30mA/100mA/300mA/500mA	2000ms
	X 1	10mA/20mA/30mA/100mA/300mA	1000ms
		500mA	300ms
	X 5	10mA/20mA/30mA	40ms
	AUTO RAMP	10mA/20mA/30mA/100mA/300mA/500mA	300ms
	Trip current accuracy		±10%
	Trip time accuracy		±(2%+2)
Trip time resolution	1ms	√	
Operating voltage (Freq.)	195V~253V (50Hz)	√	
Features			
Display count		1000	
Data hold		√	
Phase switch	0° and 180°	√	
Connections check	Lamps indication	√	
AUTO RAMP	Simultaneously test the trip time and trip current	√	
Disconnect buzzer		√	
Over-range display	OL	√	
Fused		√	
Mis-operation buzzer		√	
Power off buzzer		√	
Full icon display		√	
Meets IEC 61557	61557-1:2007; 61557-6:2007		

GENERAL CHARACTERISTICS

Power	No battery is required
Display	71mm x 34mm
Product color	Red and grey
Product net weight	400g
Product size	160mm x 100mm x 71mm
Standard accessories	Test line, carrying bag, gallus
Standard individual packing	Gift box, English manual
Standard quantity per carton	5pcs
Standard carton measurement	425mm x 280mm x 180mm (0.063 CBM per standard carton)
Standard carton gross weight	4.9kg



UT580 series digital RCD (ELCB) testers are necessary tools for engineering quality monitoring by measuring RCD (ELCB) trip time and current. Users can set X1/2, X1, X2, X5 the rated trip current to check RCD (ELCB) response rate under various conditions.



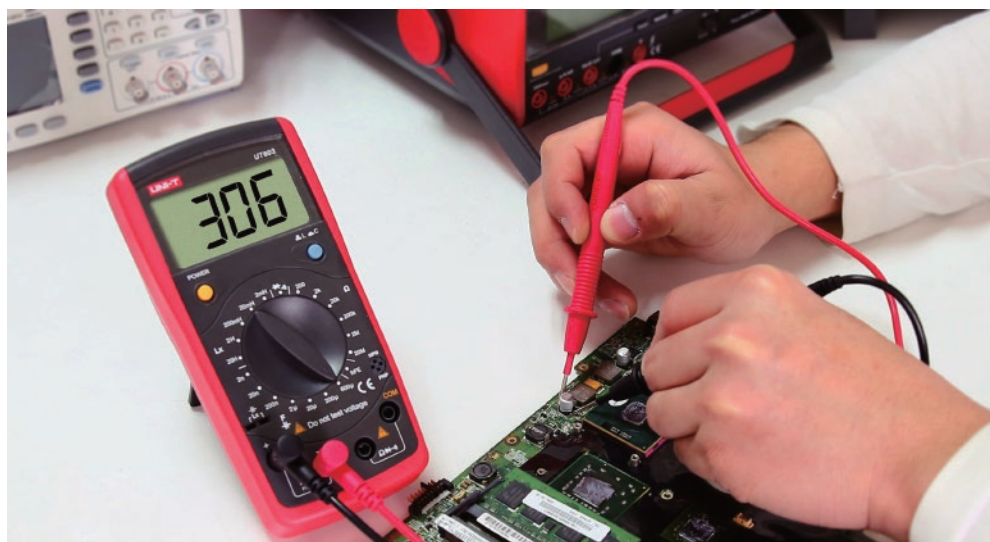
● UT586

■ SPECIFICATIONS

		Range		UT585	UT586
RCD measurement	Range setting	Rated operating current	Trip time		
	x 1/2	10mA/20mA/30mA/100mA/300mA/500mA	1000ms	√	
		10mA/20mA/30mA/100mA/200mA/300mA/500mA/1000mA	2000ms		√
	x 1	10mA/20mA/30mA/100mA/300mA/500mA	1000ms	√	
		10mA/20mA/30mA/100mA/200mA/300mA	2000ms		√
		500mA/1000mA	200ms		√
	x 2	10mA/20mA/30mA/100mA/300mA	1000ms	√	
		10mA/20mA/30mA/100mA/200mA/300mA/500mA	200ms		√
	x 5	10mA/20mA/30mA/100mA/200mA	300ms	√	
		10mA/20mA/30mA/100mA/200mA	200ms		√
	AUTO RAMP	10mA/20mA/30mA/100mA/300mA/500mA	300ms	√	
	MANUAL RAMP	10mA/20mA/30mA/100mA/200mA/300mA/500mA/1000mA	300ms		√
	Trip current accuracy		±10%	±10%	
	Trip time accuracy		±(0.6%+4)	±(0.6%+4)	
	Trip time resolution		1ms	1ms	
	Operating voltage (frequency): 230V (50Hz)		±10%	±10%	
AC voltage	60V~400V (Frequency: 50Hz~60Hz)		±(5%+2)	±(5%+2)	
DC voltage	±60V~±400V		±(5%+2)		
Features					
Auto power off			√	√	
Low battery indication			√	√	
Data hold			√	√	
LCD backlight			√	√	
Contact voltage automatic detection			√	√	
Over-temperature detection			√	√	
Lock measurement			√	√	
Connections check	Lamps indication		√	√	
Fused			√	√	

■ GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 8
Display	125mm x 37mm
Product color	Red and grey
Product net weight	1000g
Product size	210mm x 175mm x 90mm
Standard accessories	Batteries, test line, holster, galls, tool box
Standard individual packing	Gift box, English manual
Standard quantity per carton	1pcs
Standard carton measurement	340mm x 140mm x 340mm
Standard carton gross weight	3.4kg



● UT603

UT600 series digital inductance capacitance meters are used to test resistors, capacitors and inductors. They can also be used to measure transistor parameters. These meters can be used to check electronic components in electronic labs, production lines, maintenance facilities and schools.

SPECIFICATIONS

	Range	UT601	UT602	UT603
Resistance (Ω)	20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ/2000MΩ	±(0.8%+1)		
	20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/2000MΩ		±(0.8%+1)	
	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ			±(0.8%+1)
Capacitance (F)	200pF/2nF/20nF/200nF/2μF/20μF/200μF/2mF/20mF	±(0.5%+10)		
	2nF/20nF/200nF/2μF/20μF/200μF/600μF			±(1%+5)
Inductance (H)	2mH/20mH/200mH/2H/20H/200H		±(2%+8)	
	2mH/20mH/200mH/2H/20H			±(2%+8)

Features

Display count		2000	2000	2000
Manual range		√	√	√
Diode		√	√	√
Transistor		√	√	√
Continuity buzzer		√	√	√
Low battery indication		√	√	√
Data hold			√	

GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	61mm x 32 mm
Product color	Red and grey
Product net weight	UT601/UT602: 310g, UT603: 312g
Product size	172mm x 83mm x 38mm
Standard accessories	Battery, test leads with alligator clips, holster
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	450mm x 330mm x 340mm (0.099CBM per standard carton)
Standard carton gross weight	9.6kg

SPECIFICATIONS

	Range	UT611	UT612
Inductance (H)	600uH~200H	±(0.4%+2)	
	20uH~2000H		±(0.5%+5)
Capacitance (F)	600pF~10mF	±(0.4%+2)	
	200pF~20mF		±(0.5%+5)
Resistance (Ω)	60Ω~20MΩ	±(0.4%+2)	
	20Ω~200MΩ		±(0.3%+5)
Test frequency (Hz)	100Hz/120Hz/1kHz/10kHz	√	
	100Hz/120Hz/1kHz/10kHz/100kHz		√
Operating voltage	0.5Vrms	√	
	0.6Vrms		√
Test parameters	L/C/R/DCR/Q/D/θ/ESR	√	√
Features			
Display count		6000	20000
D/Q display count		1000	2000
D/Q resolution	0.001	√	√
Auto range		√	√
Test frequency real-time display		√	√
Measurement mode	Series/Parallel	√	√
Auto power off		√	√
Low battery indication	≤6.8V	√	√
Data hold		√	√
Relative mode		√	√
USB interface			√
USB interface/PC data records			60000
Data storage		1000	
LCD backlight		√	√
Analog bar graph		30	26
Deviation ratio measurement			√
Comparison function		√	√
Calibration function		√	√
Output impedance	120Ω	√	√
Auto LCR check and measurement		√	√



● UT612

UT610 series LCR meters are more advanced meters used to measure inductance, capacitance and resistance. Advanced features include series/parallel measurement modes, quality factor/loss/phase angle measurements, equivalent/DC resistance measurements and 5 kinds of measurement frequency in AC mode for selection. UT610 series can be easily operated in production lines, component inspection and electronic maintenance.

GENERAL CHARACTERISTICS

Power	9V battery (6F22) or USB
Display	40mm x 63mm
Product color	Red and grey
Product net weight	374g
Product size	96mm x 193mm x 47mm
Standard accessories	Battery, SMD test clamp, USB interface cable (UT612), multi-purpose socket (UT612), PC software CD (UT612)
Standard individual packing	Gift box, English manual
Standard quantity per carton	10pcs
Standard carton measurement	370mm x 305mm x 475mm (0.097 CBM per standard carton)
Standard carton gross weight	13.2kg
Optional accessory*	USB power adaptor

UT620 series are used to measure DC low resistance through 4-wire method. Some of their features are: Comparison function to determine if the device is in good condition, unknown wire length calculation (FT/M); two-way data transmission by USB interface; built-in rechargeable lithium battery. UT620 can be used in narrow space for on-site troubleshooting, such as metal coating resistance/motor and small transformer winding resistance measurements, earth system joints/welding points/power distribution cabinet bus and lead connection inspections and more.

SPECIFICATIONS

	Range	UT620A	UT620B
Resolution		10uΩ	1uΩ
Resistance (Ω)	60mΩ/10A		±(0.25%+25)
	120mΩ/5A	±(0.25%+25)	
	600mΩ/1A	±(0.25%+25)	±(0.25%+20)
	6Ω/100mA	±(0.25%+25)	±(0.25%+20)
	60Ω/10mA	±(0.25%+25)	±(0.25%+20)
	600Ω/1mA	±(0.25%+25)	±(0.25%+25)
	6kΩ/100uA	±(0.75%+30)	±(0.25%+30)

Features

Display count		60000	60000
Four-wire measurement		√	√
Wire length measurement		√	√
High/low limit alarm		√	√
Data storage		1000	1000
USB data transmission		√	√
Manual range		√	√
Backlight		√	√
Relative value		√	√
Low battery indication		√	√
Auto power off			√



● UT620B

GENERAL CHARACTERISTICS

Power	UT620A: Li-ion battery 7.4V 4000mAh, rechargeable UT620B: Li-ion battery 3.7V 8000mAh, rechargeable
Display	116mm x 87.5mm
Product color	Red and grey
Product net weight	1.5kg
Product size	268mm x 168mm x 60mm
Standard accessories	Test leads with Kelvin clips (red & black), power cord, power adaptor, USB interface cable, PC software CD
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	1pcs
Standard carton measurement	370mm x 90mm x 290mm
Standard carton gross weight	3kg
Optional accessories*	Four-wire test probes (red & black) x 1

UT665 borescope displays clear images through a flexible camera probe. It is useful for viewing details of automobiles engine, pipelines, inner building walls, drain pipes, and other hard to reach locations. It is designed with 4-level adjustable LED lights and 180 degrees viewing angle IP67 probe, which can be submerged into water. UT665 can perform non-destructive testing in complex industrial environments.



SPECIFICATIONS

	Range
Pixels	640×480
Lens diameter	9mm (Max. 10mm)
LCD size	2.4 inches
Probe length	1m
Screen type	TFT
Features	
Light source	4 LED lights
Depth of field	>20mm
Water proof	IP67 (probe only)
Video signal	Analog
Field of view	60°
Image brightness	6 levels-adjustable
Illumination	4 levels-adjustable
Flippable image	√
Battery power indicator	√

GENERAL CHARACTERISTICS

Power	1.5V battery (R6) x 4
Display	2.36 inches
Product color	Red and grey
Product net weight	500g
Product size	196mm x 74mm x 38mm
Standard accessories	Camera probe, batteries
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	8pcs
Standard carton measurement	455mm x 410mm x 275mm
Standard carton gross weight	6.4kg



■ SPECIFICATIONS

	Range	UT681L	UT681C	UT681HDMI	Description
Test function	To test for: RJ45/RJ11	√			
	To test for: RJ45/RJ11/BNC		√		Need to use RJ45 to BNC adaptor
	To test for: HDMI/MINI-HDMI			√	
	Fast test mode	√	√		LED1~LED8, LED_G
	Slow test mode	√	√		LED1~LED8, LED_G
	Scan test mode			√	LED1~LED19, LED_S
	Full display test mode			√	LED1~LED19, LED_S
	To test for the case of short circuit, crossover, open circuit, etc.	√	√	√	
	Ethernet cable: shielded/ unshielded test	√	√	√	
	Manual shutdown function	√	√	√	
	Auto shutdown function	√	√	√	No operation within 10 minutes, the device will shut down automatically
	Single key operation	√	√	√	
	Power supply: 9V battery	√	√	√	
Low battery detection	√	√	√	Less than 7.2V	
Application environment	Working temperature: 0~40°C	√	√	√	
	Storage temperature: -10~50°C	√	√	√	
	Working humidity: 20~80%RH	√	√	√	
	Storage humidity: 10~90%RH	√	√	√	
	Altitude: ≤2000 meters	√	√	√	
Safety standard	CE EN61326-1: 2013; EN61326-2-2: 2013	√	√	√	

■ GENERAL CHARACTERISTICS

Product color	Red and grey
Product net weight	Transmitter: 87g; receiver: 51g
Product size	Transmitter: 102mm x 62mm x 28mm; receiver: 102mm x 37mm x 28mm
Standard accessories	9V battery, BNC to RJ45 adaptor (UT681C)
Standard individual packing	Gift box, English manual
Standard quantity per carton	40pcs
Standard carton measurement	455mm x 410mm x 225mm
Standard carton gross weight	UT681L: 6.4kg; UT681C: 8.7kg; UT681HDMI: 9.5kg



UT682 wire tracker consists of a transmitter and a receiver, it is able to track ethernet/telephone/power cables without opening their insulation. UT682 can troubleshoot ethernet cables and is a recommended tool for debugging communication cables and audio/video cables.



■ SPECIFICATIONS

Range		UT682	UT682D	
Wire tracking features	Wire types	LAN cable\telephone line\coaxial cable\electric wire	Telephone line\twisted-pair\electric wire	
	Indication light for signal strength	√		
	Live switchboard wire tracing	√		
	Switchboard wire tracing distance	≥100m		
	Telephone lines tracking distance	≥3000m	≥3000m	
	Unshielded cables tracking distance	≥320m		
	Shielded cables tracking distance	≥320m		
	Open and short circuit test	√		
	Polarity indication for telephone lines	DCV function, range: ±(5V~52V)	√	√
	Telephone lines and LAN cables distinction	Jacks distinction	√	
	Broken wire tracking	√		
	Transmitter output voltage	≥12V peak-peak		8V DC with a new battery
	Transmitter low battery indication	6.6V±0.5V		7V±0.5V
	Transmitter power supply	9V battery	√	√
	Max transmitter working current	25mA		
Wire alignment	Headphone jack for receiver	√		
	Receiver power supply	9V battery	√	√
	Max receiver standby current	~10mA	√	√
Transmitter input voltage protection	Max receiver operating current	<40mA (AC, RMS)	√	√
	Line sequence measurement	9 LEDs (LED1~LED8, LED_G)	√	
Operating environment	Line sequence measuring speed	Fast and slow selectable	√	
	LAN cable: shielded/unshielded indication	√		
Operating environment		Operating temperature: 0~40°C; Storage temperature: -10~50°C Operating humidity: 20~75%RH; Storage humidity: 10~90%RH; Altitude: ≤2000m		

■ GENERAL CHARACTERISTICS

Product color	Red and grey
Product net weight	UT682: Transmitter-125g, receiver-153g; UT682D: Transmitter-150g, Receiver-130g
Product size	UT682: Transmitter-125mm x 48mm x 28mm, receiver-195mm x 48mm x 30mm UT682D: Transmitter-74mm x 68mm x 28mm, receiver-208mm x 47mm x 33mm
Standard accessories	9V battery x 2, RJ11 cable (UT682), RJ45 cable (UT682), RJ11 cable with alligator clips (UT682)
Standard individual packing	Blister (UT682), carrying bag (UT682), gift box (UT682D), English manual
Standard quantity per carton	UT682: 24pcs; UT682D: 20pcs
Standard carton measurement	UT682: 575mm x 310mm x 430mm; UT682D: 425mm x 265mm x 260mm
Standard carton gross weight	UT682: 12.3kg; UT682D: 7.5kg



UT658 USB tester is used to inspect USB charger and portable power source of electronics products. UT658 can output voltage, current, and power. Users can use this device to monitor charging status of any USB powered device.



● UT658

SPECIFICATIONS

	UT658	UT658B
Input voltage range (V)	3V~9V	3V~9V
Voltage resolution	0.01V	0.01V
Voltage monitoring accuracy	±1%	±(1%+5)
Current monitoring range (A)	0A~3A	0A~3.5A
Current monitoring accuracy	±(1%±2)	±(1%±5)
Current resolution	0.01A	0.01A
Capacity	0~9999mAH	0~39999mAH
Capacity data storage	10 sets	10 sets
Display	LCD	LCD
Warning	√	√
Button	√	√
Cable length		10cm
Pollution level	2	2
Working temperature	0°C~40°C	-10°C~40°C
Storage temperature	-10°C~50°C	-10°C~50°C
Relative humidity	<75%	<75%

GENERAL CHARACTERISTICS

Product color	White
Product net weight	UT658: 28g; UT658B: 30g
Product size	UT658: 84mm x 29mm x 12mm; UT658B: 72mm x 29mm x 12mm
Standard individual packing	UT658: Blister, insert card; UT658B: Gift box
Standard quantity per carton	UT658: 100pcs; UT658B: 60pcs
Standard carton measurement	UT658: 185mm x 180mm x 185mm; UT658B: 205mm x 170mm x 170mm
Standard carton gross weight	UT658: 3.3kg; UT658B: 2.3kg



● UT658B

UT230B series power sockets can be inserted to monitor operation status (voltage, current, time, and power consumption) of electrical appliances. The socket jacks are designed to meet the needs of different regions with proper certifications. UT230B series are ideal tools for maintaining equipment power consumption and managing energy saving in homes, offices, schools, and other places.



● UT230B-EU

SPECIFICATIONS

	Range	UT230B-EU	UT230B-UK	UT230B-IND
Voltage	100V~260V	±1%	±1%	±1%
	0A~6A			±1%
Current	0A~13A		±1%	
	0A~16A	±1%		
Frequency	45Hz~65Hz	√	√	√
Power	1~3680W	±1%		
	0.5~1380W			±1%
	1~2990W		±1%	
Power factor	0~1	±2%	±2%	±2%
Energy consumption	0~9999kWh	±1%	±1%	±1%

Features

Unit price of electricity	0~99.99 (\$/kWh)	√	√	√
Accumulative time	0 minute~9999 days	√	√	√
Accumulative charge	0~9999\$	√	√	√
CO ₂ display	0~9999kg	√	√	√
Power consumption	<0.4W	√	√	√
Overload indication		>16A	>13A	>6A

GENERAL CHARACTERISTICS

Power	3V button battery
Display	48mm x 30.5mm
Product color	White
Product net weight	155g
Product size	130mm x 65mm x 37mm
Standard accessory	Battery
Standard individual packing	Blister, English manual
Standard quantity per carton	UT230B-EU/UT230B-UK: 80pcs; UT230B-IND: 40pcs
Standard carton measurement	UT230B-EU/UT230B-UK: 570mm x 400mm x 360mm; UT230B-IND: 390mm x 310mm x 305mm
Standard carton gross weight	UT230B-EU: 19.4kg; UT230B-UK: 19.6kg; UT230B-IND: 8.4kg



- Up to 0.05% output accuracy
- 6 digit display
- Output functions: DC voltage, resistance, thermocouple, and thermal resistance
- 10 thermocouple scales
- 4 thermal resistance scales
- High precision automatic cold junction compensation for thermocouple outputs
- Manual stepping and automatic stepping and ramping
- Stores and recalls setups

SPECIFICATIONS

	Type	Range	Accuracy
Source accuracy			
DC mV		100.000mV	±(0.05%+3)
		1000.0mV	±(0.05%+3)
Resistance (Ω)		500.0Ω	±(0.05%+2)
		5000Ω	±(0.05%+2)
Thermocouples	J	-20~1200°C (-328~2192°F)	±0.7°C
	K	-200~1370°C (-328~2498°F)	±1°C
	T	-200~400°C (-328~752°F)	±0.8°C
	E	-200~950°C (-328~1742°F)	±0.7°C
	R	-20~1750°C (-4~3182°F)	±1.4°C
	S	-20~1750°C (-4~3182°F)	±1.5°C
	B	600~1800°C (1112~3272°F)	±1.4°C
	N	-200~0~1300°C (-328~2372°F)	±0.9°C
	Wre325	0~2000°C (32~3632°F)	±1.8°C
	Wre526	0~2300°C (32~4172°F)	±1.8°C
RTDs	Pt10	-200~850°C (-328~1562°F)	±(0.5%+6°C)
	Pt100		±(0.05%+0.6°C)
	Cu50	-50~150°C (-58~302°F)	±(0.05%+0.6°C)
	Cu100		±(0.05%+0.6°C)
Features			
Ramp functions	Source functions: Voltage, resistance, temperature		
	Ramps: Slow ramp, Fast ramp, 25% step-ramp		
Step functions	Source functions: Voltage, resistance, temperature		
	Steps: 25% of range, 100% of range		



GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	63mm x 40mm
Product color	Red and grey
Product net weight	410g
Product size	96mm x 193mm x 47mm
Standard accessories	Test leads, battery
Standard individual packing	Gift box, English manual, cloth bag
Standard quantity per carton	5pcs
Standard carton measurement	325mm x 225mm x 285mm
Standard carton gross weight	4.5kg



- Measures: DC voltage, DC current, 4-20mA loop current
- Output functions: DC current, analog transmitter, 24V loop
- Up to 0.02% accuracy
- Provides 24V loop power to transmitter while conducting mA current measurement at the same time
- Automatic ramp for DC current output
- Manual stepping and automatic stepping and ramping output
- Stores and recalls setups

SPECIFICATIONS

	Range	Accuracy
Measure accuracy		
DC voltage (V)	30.000V	$\pm(0.02+2)$
DC current (A)	24.000mA	$\pm(0.02+2)$
Loop current	24.000mA	$\pm(0.02+2)$
Source accuracy		
DC current (source)	24.000mA	$\pm(0.02+2)$
DC current (simulate)	24.000mA	$\pm(0.02+2)$
Features		
Loop power function	Voltage: 24V	
	Accuracy: 10%	
Ramp functions	Source functions: Voltage, resistance, temperature	
	Ramps: Slow ramp, Fast ramp, 25% step-ramp	
Step functions	Source functions: Voltage, resistance, temperature	
	Steps: 25% of range, 100% of range	



GENERAL CHARACTERISTICS

Power	9V battery (6F22)
Display	63mm x 40mm
Product color	Red and gray
Product net weight	410g
Product size	96mm x 193mm x 47mm
Standard accessories	Test leads, battery
Standard individual packing	Gift box, English manual, cloth bag
Standard quantity per carton	5pcs
Standard carton measurement	325mm x 225mm x 285mm
Standard carton gross weight	4.5kg



UT-F01 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 500mA/600V
- Brand: HOLLY
- Safety certificate: CE
- Suitable products : UT61(GS) series, UTD1050CL、UT125C
- Amount: 1PC



UT-F02 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.3 \times 25.4$ 10A/600V
- Brand: BUSSMANN
- Safety certificate: UL
- Suitable products : UT139 series、UT133A/B
- Amount: 1PC



UT-F03 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 0.5A/1000V
- Brand: HOLLY
- Safety certificate: TUV
- Suitable products : UT71 series、UT81B、UT801、UT802、UT505B
- Amount: 1PC



UT-F04 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6 \times 32$ 0.2A/600V
- Brand: HOLLY
- Safety certificate: TUV
- Suitable products : UT139A、UT105
- Amount: 1PC



UT-F05 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 600mA/600V
- Brand: HOLLY
- Safety certificate: TUV
- Suitable products : UT139C、UT139E、UT139S
- Amount: 1PC



UT-F06 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 10A/600V
- Brand: HOLLY
- Safety certificate: TUV
- Suitable products : UT81B、UT81C
- Amount: 1PC



UT-F07 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 10.3 \times 38$ 10A/1000V
- Brand: HOLLY
- Safety certificate: CCC、UR/CUR、VDE
- Suitable products : UT61 series(2010 CE)、UT71(CE)、UT171A/B/C、UT801、UT802、UT803、UT804、UT805A
- Amount: 1 PC



UT-F08 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 600mA/1000V
- Brand: HOLLY
- Safety certificate: TUV
- Suitable products : UT61 series、UT8803E、UT61A/B/C/D/E-US
- Amount: 1PC



UT-F10 Cartridge fuse (fast fuse porcelain tube)

- Specifications: $\Phi 6.35 \times 31.8$ 800mA/1000V
- Brand: HOLLY
- Safety certificate: UL
- Suitable products : UT171 series、UT181A
- Amount: 1PC



UT-L01 Tweezers test leads

- Length: 450mm, Probe length: 5mm
- Safety level: CAT III 1000V
- Application: SMT components measurement, universal test leads
- Amount: 1PC



UT-L02 BNC alligator clip test leads

- Length: 1000mm, Clip opening: 3mm
- Safety level: CAT II 600V 2A
- Application: BNC connector for instrument inputs
- Amount: 1PC



UT-L07 Probes

- Length: 1000mm, Probe length: 5mm+12mm
- Temperature condition: -15°C~40°C
- Features and application: Double insulated, lantern probes, removable probe protector, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L10 Dual head multifunctional connectors

- Length: 1000mm, \varnothing 4mm
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Banana plug, used for testing adapter cables
- Amount: 1 pair



UT-L17 Probe with LED light

- leads length: 1000mm
- Tip length: 16mm
- Safety level: CAT II 1000V 10A
- Features and application: Controllable LED light source, all multimeters and clamps measuring within spec
- Amount: 1PC



UT-L21 Probes

- Leads length: 900mm, Rod length: 133mm
- Tip length: 15.8mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and clamps
- Amount: 1 pair



UT-L06 Dual head connectors

- Length: test leads 1200mm
- Safety level: CAT III 1000V 10A
- Application: Multifunctional connectors, all multimeters and clamps
- Amount: 1 pair



UT-L09 Dual head connectors

- Length: 1000mm, one head is 180°, the other is 90°
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Double insulated, banana plug with security mask and standard diameter, suitable for multiple devices, all multimeters and clamps
- Amount: 1 pair



UT-L16 Probes

- Length: 1200mm, Rod length: 133mm
- Tip length: 18mm
- Safety level: CAT III 1000V 16A
- Features and application: Double insulated silicone wire material, through hole type input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L20 Probes

- Leads length: 900mm, Rod length: 101mm
- Tip length: 16.5mm
- Safety level: CAT I 1000V/CAT II 600V 10A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair

Accessories



UT-L25 Probes

- Leads length: 900mm, Rod length: 115mm
- Tip length: 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1: 2015
- Features and application: Double insulated wire, removable tip shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L27 Probes

- Leads length: 900mm, Rod length: 130mm
- Tip length: 16.3mm, threaded
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2015
- Features and application: Double insulated UL authenticated material, removable tip shield sleeve, banana plug input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L29 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2015
- Features and application: Double insulated UL authenticated material, through hole crosshead with full protection input, removable tip shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L31 Probes

- Line length: 1300mm
- Tip length: 18.5mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features and application: rod with switch, removable tip shield sleeve, used for UT505B
- Amount: 1PC



UT-L26 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Safety certificate: EN 61010-031 A1: 2015
- Features and application: UL 16AWG double insulated wire, removable tip shield sleeve, cross type input terminal with full protection, general type probes, all multimeters and clamps
- Amount: 1 pair



UT-L28 Probes

- Leads length: 900mm, Rod length: 128mm
- Tip length: 16.8mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2015
- Features and application: Double insulated wire, removable tip shield sleeve, banana plug input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L30 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2015
- Features and application: Double insulated UL authenticated material, removable tip shield sleeve, cross input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L32 Group test leads

- Combinations: combined with 2PCS test leads, (red+black) and (yellow+blue)
- Material: Double insulated leads
- Line length: 1090mm
- Safety level: CAT III 600V/CAT IV 300V
- Application: UT233、 UT243
- Amount: 1 Group



UT-L33 Group test leads

- Combinations: combined with 1PCS (red+black) alligator clip test leads and 1PCS double-plug alligator clip test leads
- Material: Double insulated UL authenticated material
- Total length: 1200±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT511
- Amount: 1 Group



UT-L34 Group test leads

- Combinations: combined with 1PCS green, 1PCS black and 1PCS red alligator clip test leads
- Total length: 1500±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT513、 UT513A
- Amount: 1 Group



UT-L35 Group test leads

- Combination: (1) 1.6m test lead (green+red) 1pair (2) 5m green test lead 1PCS (3) 10m yellow test lead 1PCS (4) 20m red test lead 1PCS
- Material: UL authenticated material
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT521、 UT522、 UT572
- Amount: 1 Group



UT-L36 Dual through hole test leads

- Material: 18AWG UL authenticated material
- Length: 1100mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT505B
- Amount: 1 pair



UT-L37 Dual through hole test leads

- Material: Double insulated wire, 102 cores
- Length: 1090mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT500 series、 UT531
- Amount: 1 pair



UT-L38 Group test leads

- Material: Double insulated wire, 102 cores Length: 1090mm
- Safety level: CAT III 600V/CAT IV 300V
- Features and application: with buckle, used for UT261A、 UT261B
- Amount: 3PCS



UT-L39 Alligator clip test leads with shield sleeve

- Material: Double insulated wire
- Length: 1000±50mm
- Features and application: Adapter plug with BNC
- Amount: 1PC



UT-L40 SMD patch clamp

- Leads length: 450mm, probe length: 5mm
- Temperature condition: -10°C~40°C
- Safety level: CAT II 1000V 2A
- Features and application: used to SMT components, for UT611、 UT612
- Amount: 1PC



UT-L41 Alligator clip short test leads

- Core: 19/20
- Length: 110-130mm
- Features and application: full protection cross input terminal, used for UT71 series、 UT801、 UT802、 UT803、 UT601、 UT603
- Amount: 1 pair



UT-L42 Kelvin clip double insulated wire

- Length: 1000mm
- Features and application: AV input lead, used for UT620A、 UT620B
- Amount: 1 pair

Accessories



UT-L43 RS232C interface wire

- Length: 1000mm
- Features and application: Dual head 9-pin interface, used for UT803, UT804, UT805A
- Amount: 1PC



UT-L45 BNC-BNC through leads

- Material: 50Ω coaxial cable
- Length: 1000mm
- Features and application: dual-head BNC interface, used for UTG2025A, UTG4162A, UTG4122A, UTG4082A, UTG1010A, UTG1005A, UTG2122B, UTG2082B, UTG2062B
- Amount: 1PC



UT-H01 Passive probe 25MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 25MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD1025CL, UTD1025C (only for handheld type)
- Amount: 1PC



UT-H03 Passive probe 60MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 60MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD1050CL, UTD1062C (only for handheld type)
- Amount: 1PC



UT-H04 Passive probe 100MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 100MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD1000 series (only for handheld type)
- Amount: 1PC



UT-H05 Passive probe 200MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 200MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD1000 series (only for handheld type)
- Amount: 1PC



UT-P01 Passive probe 25MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 25MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD2025CL
- Amount: 1PC



UT-P03 Passive probe 60MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 60MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD2052CL, UTD4062C, UTD4042C
- Amount: 1PC



UT-P04 Passive probe 100MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 100MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD4082C, UTD4102C, UTD4104C, UTD4102CM, UPO2102CS, UPO2104CS
- Amount: 1PC



UT-P05 Passive probe 200MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 200MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD4202C, UTD4302C, UTD4204C, UTD4202CM, UPO2202CS, UPO2204CS
- Amount: 1PC



UT-P06 Passive probe 300MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 300MHz
- Input resistance: 1×:1MΩ±2%, 10×:10MΩ±2%
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application: UTD4302C、UTD4304C、UTD4302CM
- Amount: 1PC



UT-P07 Passive probe 500MHz

- Probe factor: 10:1
- Bandwidth: 500MHz
- Input resistance: 10MΩ
- Working voltage: 1×:300Vpp, 10×:600Vpp
- Application:
- Amount: 1PC



UT-V23 100:1 High voltage probe

- Probe factor: 100:1
- Bandwidth: 100MHz
- Input resistance: 10MΩ±2%
- Working voltage: 2000Vpp
- Application: used for all oscilloscopes series
- Amount: 1PC



UT-P20 Passive probe 250MHz 1500V

- Bandwidth: 250MHz
- Attenuation: 100:1
- Maximum working voltage: 1500rms
- Application: UTD4000 series
- Amount: 1PC



UT-P21 Passive high voltage probe 50MHz 15V

- Bandwidth: 50MHz
- Attenuation: 1000:1
- Maximum working voltage: DC 15kVrms/AC 10kV(sine wave)
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P30 Differential probe 100MHz 800V

- Bandwidth: 100MHz
- Attenuation ratio: 100:1/10:1
- Input differential voltage: ±800Vpp
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P31 High voltage differential probe 100MHz 1.5kV

- Bandwidth: 100MHz
- Attenuation ratio: 100:1/10:1
- Input differential voltage: ±1.5kVpp
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P32 Differential probe 50MHz 3kV

- Bandwidth: 50MHz
- Attenuation ratio: 1000:1/100:1
- Input differential voltage: ±3kVpp
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P33 Differential probe 120MHz 14kV

- Bandwidth: 120MHz
- Attenuation ratio: 100:1/10:1
- Input differential voltage: ±14kVpp
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P40 Current probe 100kHz 0.4A~60A

- Range: 50mV/A, 5mV/A
- Current range: 0.4A~60A
- Frequency range: DC~100kHz
- Maximum working voltage: 600Vrms
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-P41 Current probe 100kHz 0.05A~100A

- Range : 100mV/A,10mV/A
- Current range : 50A~100A
- Frequency range: DC~100kHz
- Maximum working voltage: 600Vrms
- Application: used for all UTD and UPO series oscilloscope
- Amount: 1PC



UT-T01 Thermocouple

- Accuracy: $\pm 0.75\%$
- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Features and application: Teflon covered insulation, through hole input, used for general temperature measurement, not for liquid measurement
- Amount: 1PC



UT-T03 Submersed thermocouple

- Probe length: 180mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 600^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1112^{\circ}\text{F}$)
- Features and application: metal covers from head to handle, used for liquid and gel temperature measurement
- Amount: 1PC



UT-T04 Through hole thermocouple

- Probe length: 180mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 600^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1112^{\circ}\text{F}$)
- Features and application: metal covers from head to handle, used for food and other liquid or gel temperature measurement
- Amount: 1PC



UT-T05 Gas thermocouple

- Probe length: 56mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 900^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1652^{\circ}\text{F}$)
- Features and application: protected by stainless steel gas adjusting hole, used for air or gas temperature measurement, not for liquid temperature measurement
- Amount: 1PC



UT-T06 Surface temperature thermocouple

- Probe length: 125mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 500^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 932^{\circ}\text{F}$)
- Features and application: aimed at flat or slightly convex surface, used for hot roller and vessel surface temperature measurement
- Amount: 1PC



UT-T07 Surface temperature measuring thermocouple

- Probe length: 200mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 500^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 932^{\circ}\text{F}$)
- Features and application: probe bends for 90° , aimed at flat or slightly convex surface, used for hot roller and vessel surface temperature measurement
- Amount: 1PC



UT-T09K Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: crosshead socket type input, used for UT139C/E/S, UT216C/D, UT210D, UT213B/C, UT171B/C, UT219M, UT219DS, UT222
- Amount: 1PC



UT-T10K Temperature probe

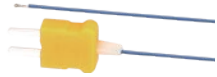
- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: used for UT213 series, UT39C, UT204A, UT206, UT208, UT208A, UT107, UT109, UT136C+, UT133A, UT89X, UT39C+
- Amount: 1PC



UT-T11 Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: through hole input, used for UT109, UT801, UT802, UT803, UT58 series, UT305 series, UT195M
- Amount: 1PC

Accessories



UT-T12 Temperature probe

- Test range: 0°C-800°C (Error $\pm 0.4\%$)
- Features and application: Through hole input, used for UT323, UT321, UT322, UT325, UT181A
- Amount: 1PC



UT-C01 Hook type test clamp

- Specifications: Rod length 62mm, hook can extend to 7.5mm
- Safety level: CAT III 1000V 10A
- Features: With safety handle and spring hook type alligator clips
- Amount: 1 pair



UT-C02A Through hole alligator clip

- Specifications: Length 80mm, opening 36mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2008
- Amount: 1 pair



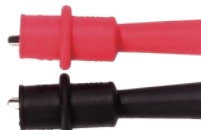
UT-C02B (M4) threaded bore alligator clip

- Specifications: Length 80mm, opening 36mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2008
- Amount: 1 pair



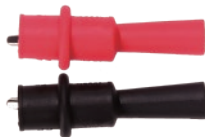
UT-C04A Through hole alligator clip

- Specifications: Length 75mm, opening 27mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 A1:2008
- Amount: 1 pair



UT-C05A (M4) threaded bore alligator clip (with protector)

- Specifications: Length 67mm, opening 8.3mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Amount: 1 pair



UT-C05B Through hole alligator clip (with protector)

- Specifications: Length 71mm, opening 8.3mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Amount: 1 pair



UT-C06 Test probes

- Specifications: Rod length 106mm, probe length 19mm
- Safety level: CAT III 1000V 10A
- Features: Fully-insulated, with tip and protector, banana plug probes
- Amount: 1 pair



UT-C07 Multifunctional electric test clips

- Specifications: Rod length 110mm, adjustable clip length 8mm
- Safety level: CAT III 1000V/CAT IV 600V 5A
- Features: Standard transfer socket, adjustable multifunctional clips
- Amount: 1 pair



UT-C08 Test probes

- Specifications: Rod length 99mm, probe length 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features: Fully-insulated, with tip and protector, straight type probes
- Amount: 1 pair

Accessories



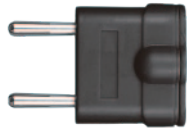
UT-C09 Test probes

- Specifications: Rod length 99mm, probe length 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features: Fully-insulated, with tip and protector, lantern type probes
- Amount: 1 pair



UT-C12 Through hole alligator clip (with protector)

- Specifications: Length 53mm, opening 6mm
- Amount: 1 pair



UT-S01A Multifunctional adapter socket

- Function: Adapter test of temperature and capacitance
- Suitable product: UT804
- Amount: 1PC



UT-S01B Multifunctional adapter socket

- Function: Adapter test of temperature, capacitance and transistor
- Suitable products: UT803、 UT58 series
- Amount: 1PC



UT-S02B Multifunctional adapter socket

- Function: Adapter test of temperature, capacitance and transistor
- Suitable products: UT61A、 UT801、 UT802
- Amount: 1PC



UT-S03 Multifunctional adapter socket

- Function: Adapter test of temperature and capacitance
- Suitable products: UT61B、 UT61C、 UT61D
- Amount: 1PC



UT-S04 Multifunctional adapter socket

- Function: Adapter test of temperature, capacitance and transistor
- Suitable product: UT61A (GS, 2010 CE version)
- Amount: 1PC



UT-S05 Multipurpose standard adapter socket

- Function: Adapter test of temperature and capacitance
- Suitable products: UT61B、 UT61C、 UT61D (GS version)
- Amount: 1PC



UT-S06 Power adapter socket

- Suitable products: UT171 series、 UT181
- Amount: 1PC



UT-S07 Temperature adapter socket

- Suitable product: UT181A
- Amount: 1PC



UT-S08 UT612 adapter socket

- Suitable products: UT611、 UT612
- Amount: 1PC



UT-S09 BNC test wire adapter socket

- Suitable product: UT81 series
- Amount: 1PC



UT-S10 Wattmeter adapter socket

- Fixed current: 10A
- Suitable product: UT71E
- Amount: 1PC



UT-W03 Power adapter

- Input: AC230V 50/60Hz 65mA
- Output: DC14.5V 600mA
- Certification: ErP
- Suitable products: UT512、UT511
- Amount: 1PC



UT-W05 Power adapter

- Input: 100~240V 50/60Hz
- Output: DC9V 4A outer positive inside negative
- Certification: ErP
- Suitable products: UT620A、UT620B
- Amount: 1PC



UT-W07 Power adapter

- Input: AC100~240V 50/60Hz
- Output: DC10V 500mA input short-circuit protection
- Certification: ErP
- Suitable products: UT181A、UT171B/C
- Amount: 1PC



UT-W09 Power adapter

- Input: AC220V 50Hz
- Output: DC9V 0.2A
- Certification: ErP
- Suitable products: UT801、UT802
- Amount: 1PC



UT-W01 Power adapter

- Input: AC100~240V 50/60Hz
- Output: DC9V 4A
- Certification: ErP
- Suitable products: UTS1000 series、UTD1000 series、UT283A、EDU1000
- Amount: 1PC



UT-W04 Power adapter

- Input: AC230V 50/60Hz
- Output: DC14.5V+0.5V 1.0A
- Certification: ErP
- Suitable products: UT513、UT513A
- Amount: 1PC



UT-W06 Power adapter

- Input: AC230V/50Hz
- Output: DC6.0V/450mA
- Certification: ErP
- Suitable product: UT81 series
- Amount: 1PC



UT-W08 Power adapter

- Input: AC230V 50Hz
- Output: DC6V/450mA
- Certification: ErP
- Suitable products: UT305A、UT305C
- Amount: 1PC



UT-W10 Power adapter

- Input: AC230V 50/60Hz
- Output: DC9V 0.2A
- Certification: ErP
- Suitable products: UT801 (2010 CE)、UT802 (2010 CE)
- Amount: 1PC



UT-D01 RS232C data cable

- Wire length: 1m
- Features: RS232C interface, one-way transmission
- Suitable products: UT70B
- Amount: 1PC



UT-D02+ RS232C data cable

- Wire length: 1m
- Features: RS232C interface, one-way transmission
- Suitable products: UT61 series, UT109
- Amount: 1PC



UT-D04 USB data cable

- Wire length: 1m
- Features: USB interface, one-way transmission
- Suitable products: UT71 series, UT230 series, UT61B/C/D
- Amount: 1PC



UT-D05 RS232C data cable

- Wire length: 1m
- Features: RS232C interface, two-way transmission
- Suitable products: UT70C, UT70D
- Amount: 1PC



UT-D09 USB data cable

- Wire length: 1m
- Features: USB interface, two-way transmission
- Suitable products: UT171 series, UT243, UT181A
- Amount: 1PC



UT-D10 USB data cable

- Wire length: 1m
- Features: USB interface, two-way transmission
- Suitable products: UT81B, UT81C
- Amount: 1PC



UT-D11 USB connecting wire

- Wire length: 1m
- Suitable products: UT305A, UT305C, UT315, UT321, UT322, UT325, UT331, UT332, UT382, UT612, UT323, UT362
- Amount: 1PC



UT-D12 USB charging line

- Wire length: 0.5m
- Material: 2 cores 24# wire
- Suitable products: LM600, LM800, LM1000, LM1200, LM1500, A25M, A25D, A25F, A37
- Amount: 1PC



UT-D13 USB standard printer line

- Wire length: 1m
- Suitable products: UT372, UT512, UT513A, UT803, UT804, UT805A
- Amount: 1PC



UT-D14 USB 2.0 dual-head printer line

- Wire length: 1.5m
- Suitable products: UTD2000 series, UTD4000 series, UPO2102CS, UPO2202CS, UPO2104CS, UPO2204CS, UTG2025A
- Amount: 1PC



UT-D15 USB2.0 communication cable

- Wire length: 1.5m
- Suitable products: UTD2025CL、UTD2052CL
- Amount: 1PC



UT-D17 USB2.0 data cable

- Features: one head for HOST, the other for MINI-USB
- Wire length: 1.5m
- Suitable products: UT283A、UTD1025CL、UTD1050CL、UTD1025DL、UTD1050DL
- Amount: 1PC



UT-M03 Voltage/current converter

- Range: 4mA/6mA, 40mA/60mA, 400mA/600mA
- Suitable products: UTD1000C、UTD4000C series
- Amount: 1PC



UT-M07 10A current diverter

- Range: 10A
- Suitable products: UTD1025CL、UTD1052CL、UTD1050CL
- Amount: 1PC



UT-M09 Logic analyzer module

- Channels: 16
- Sampling rate: 250MS/s
- Maximum input voltage: $\pm 40V_{pp}$
- Trigger mode: Time trigger, array trigger
- Suitable products: UTD4000CM、UPO2000CS
- Amount: 1PC



UT-D16 USB single-head connecting wire

- Wire length: 1m
- Suitable product: UT171C
- Amount: 1PC



UT-D18 USB dual header standard connecting wire

- Wire length: 1m
- Suitable products: UT620A、UT620B
- Amount: 1PC



UT-M04 Voltage/current converter

- Range: 4A/6A
- Suitable products: UTD1000C、UTD4000C series
- Amount: 1PC



UT-M08 Lithium battery subassembly

- Output voltage: 7.4V
- Capacity: 3600mAh
- Suitable products: UTD1000L series、UT283A
- Amount: 1PC



UT-M10 Voltage/current converter

- Range: μA , 40mA, 400mA
- Suitable products: UTD1025DL、UTD1050DL、UTD1025CL、UTD1050CL
- Amount: 1PC



UT-M14 Power amplifier

- Power output: 10W
- Frequency response: 2MHz
- Peak output voltage: 12.5V
- Suitable products: All UTG waveform generators
- Amount: 1pc



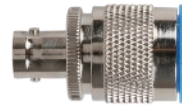
UT-U01 Logic analyzer module

- Channels: 16
- Maximum input voltage: $\pm 40\text{Vpk}$
- Minimum voltage swing: 1.2Vpp
- Suitable products: UTD4000C series
- Amount: 1PC



UT-U02 Digital protocol cable

- Channels: 16
- Suitable products: UTG4000A series
- Amount: 1PC



UTS-C01 RF adapter

- Suitable products: UTS1000 series, UTS2000 series
- Amount: 1PC



UTS-C02 RF adapter

- Suitable products: UTS1000 series, UTS2000 series
- Amount: 1PC



UTS-C03 RF cable

- Wire length: 700mm
- Suitable products: UTS1000 series, UTS2000 series
- Amount: 1PC



UTS-C04 2.4G antenna

- Features: Inside thread way and tip, can bend for 90°
- Suitable products: UTS1000 series, UTS2000 series
- Amount: 1PC



UT-D07A Bluetooth adaptor

- Description: Bluetooth 4.0 communication protocol
- Support: iOS 6.0 or above, Android 4.0 or above
- Application: UT71, UT171, UT181 series
- Power: 1.5V battery (R03) x 2