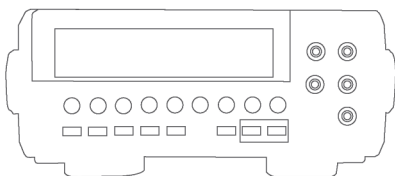
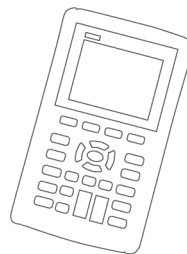
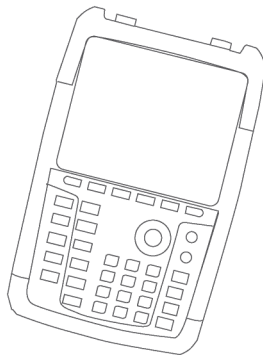
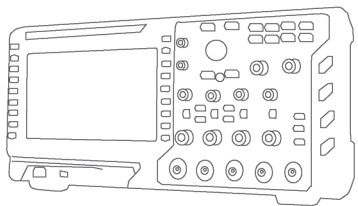
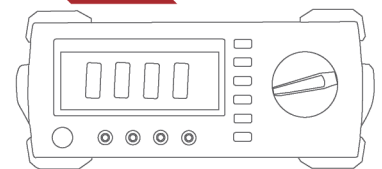
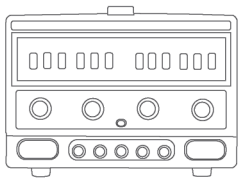


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2021 INSTRUMENTS





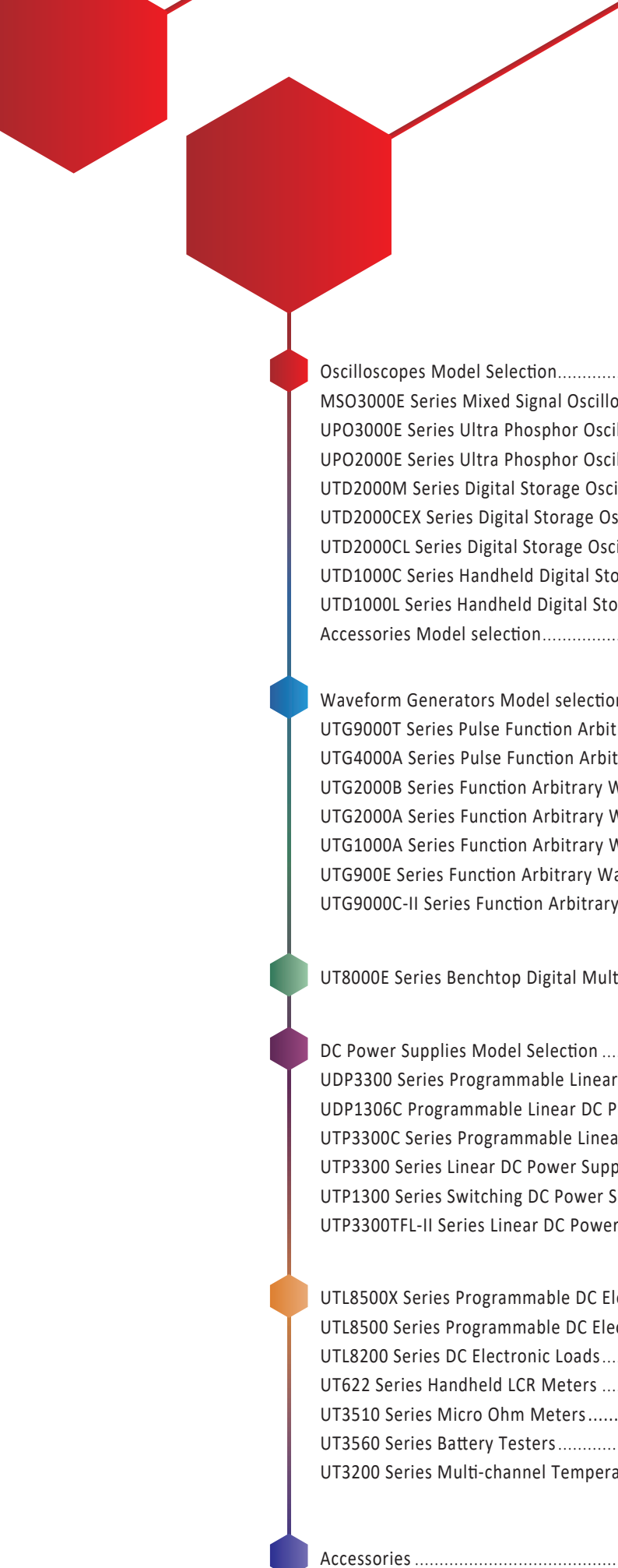
About Us

Uni-Trend Technology (China) Co., Ltd. is one of the well-known test and measurement solutions provider in Asia. Uni-Trend is an ISO9001 and ISO14001 certified company, with T&M products meeting certifications including CE, ETL, UL, GS, etc.

With R&D centers in Chengdu and Dongguan, Uni-Trend is capable of manufacturing innovative, reliable, safe to use, and user friendly T&M products. Uni-Trend has established collaborations with partners in over 80 countries for product distribution and services. With products meeting industry standards, Uni-Trend is able to fully satisfy product demands from around the world.

The Road Ahead

By constantly improving product technology and quality standards, Uni-Trend is able to stay competitive in the ever-changing global market. At Uni-Trend, our solid foundation allows us to maintain and strengthen our corporate culture, bringing high-quality, secure, and cost-effective products to global users. We are always seeking new paths and cooperation opportunities with partners around the world. Uni-Trend seeks to become a global T&M solutions provider one day.



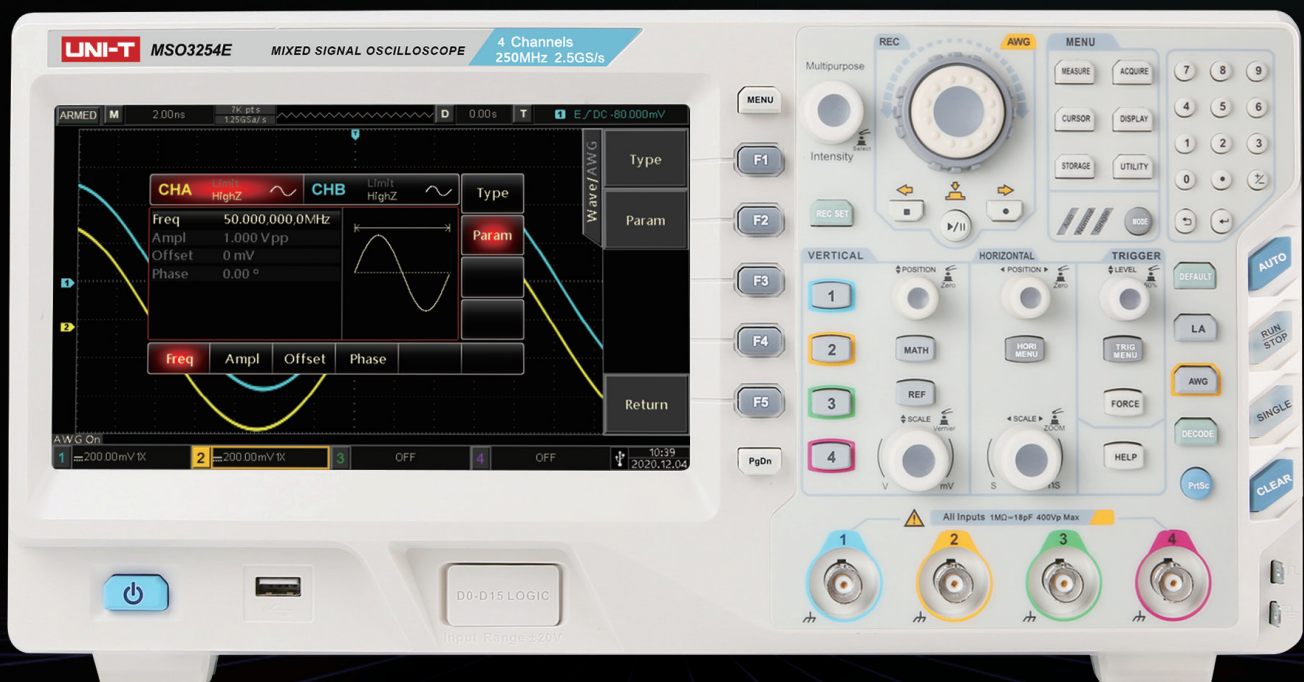
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DIGITAL OSCILLOSCOPES

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-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.



OSCILLOSCOPES

Model selection

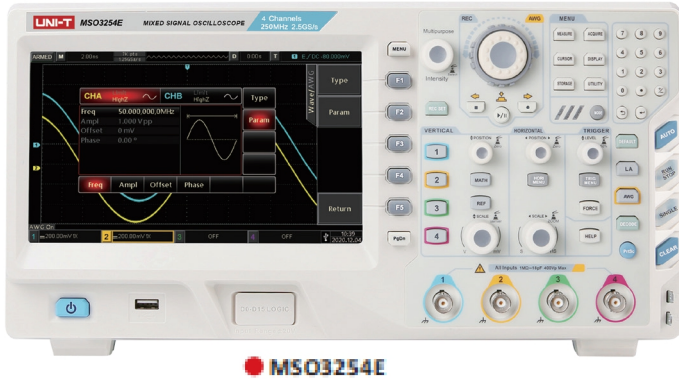
Name	Series	Model	Channels	Memory depth	Sampling rate	Bandwidth (MHz)								
						250	200	150	100	70	60	50	25	
Mixed Signal Oscilloscopes	MSO3000E	MSO3254E	4+16Digit	70Mpts	2.5GSa/s	●								
		MSO3252E	2+16Digit	70Mpts	2.5GSa/s	●								
		MSO3154E	4+16Digit	70Mpts	2.5GSa/s			●						
		MSO3152E	2+16Digit	70Mpts	2.5GSa/s			●						
Ultra Phosphor Oscilloscopes	UPO3000E	UPO3254E	4	70Mpts	2.5GSa/s	●								
		UPO3252E	2	70Mpts	2.5GSa/s	●								
		UPO3154E	4	70Mpts	2.5GSa/s			●						
		UPO3152E	2	70Mpts	2.5GSa/s			●						
Ultra Phosphor Oscilloscopes	UPO2000E	UPO2104E	4	56Mpts	1GSa/s				●					
		UPO2102E	2	56Mpts	1GSa/s				●					
		UPO2074E	4	56Mpts	1GSa/s					●				
		UPO2072E	2	56Mpts	1GSa/s					●				
Digital Storage Oscilloscopes	UTD2000M	UTD2202CM	2	16Mpts	1GSa/s		●							
		UTD2102CM	2	32Mpts	1GSa/s				●					
		UTD2062CM	2	32Mpts	1GSa/s						●			
		UTD2102CEM	2	28Mpts	1GSa/s				●					
		UTD2072CEM	2	28Mpts	1GSa/s					●				
Digital Storage Oscilloscopes	UTD2000CEX	UTD2202CEX+	2	64Kpts	1GSa/s		●							
		UTD2102CEX+	2	64Kpts	1GSa/s				●					
		UTD2102CEX-II ^①	2	25Kpts	1GSa/s				●					
		UTD2072CEX-II	2	25Kpts	1GSa/s					●				
		UTD2102CEX ^②	2	25Kpts	1GSa/s				●					
		UTD2072CEX	2	25Kpts	1GSa/s					●				
		UTD2052CEX	2	25Kpts	1GSa/s							●		
Digital Storage Oscilloscopes	UTD2000CL	UTD2152CL	2	64Kpts	500MSa/s			●						
		UTD2072CL	2	64Kpts	500MSa/s					●				
		UTD2052CL	2	25Kpts	500MSa/s							●		
		UTD2025CL	2	25Kpts	250MSa/s								●	
Handheld Digital Storage Oscilloscopes	UTD1000C	UTD1202C	2	7.5kpts	1GSa/s		●							
		UTD1102C	2	7.5kpts	500MSa/s				●					
		UTD1062C	2	7.5kpts	250MSa/s						●			
Handheld Digital Storage Oscilloscopes	UTD1000L	UTD1050DL	2	12Kpts	250MSa/s							●		
		UTD1025DL	2	12Kpts	250MSa/s								●	
		UTD1050CL	1	12Kpts	200MSa/s							●		
		UTD1025CL	1	12Kpts	200MSa/s								●	

① UTD2000CEX-II, 8 inches TFL LCD Display, 20,000wfms/s

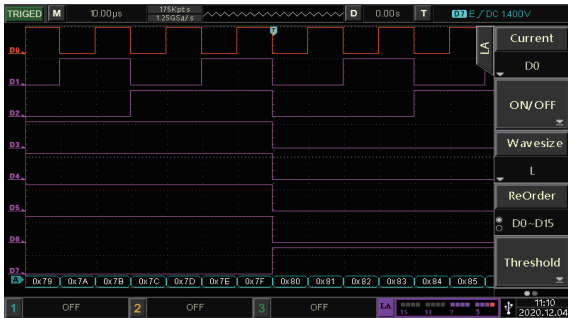
② UTD2000CEX, 7 inches TFL LCD Display, 2,000wfms/s

MSO3000E Series

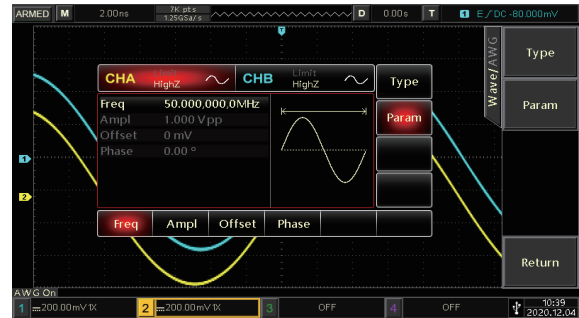
Mixed Signal Oscilloscopes



The MSO3000E Series is the new mainstream digital phosphor oscilloscope to meet the customers' applications with its innovative technology. The series is targeting for the most extensive testing and measurement market with its industry leading specifications, powerful trigger functions and broad analysis capabilities, 16 bits of mixed signal logic channels with included UT-M15 logic probe kit, with bandwidths from 150MHz to 250MHz and 2 or 4 channels, sampling rates up to 2.5GSa/s, combined with deep memory depth and high waveform capture rates.



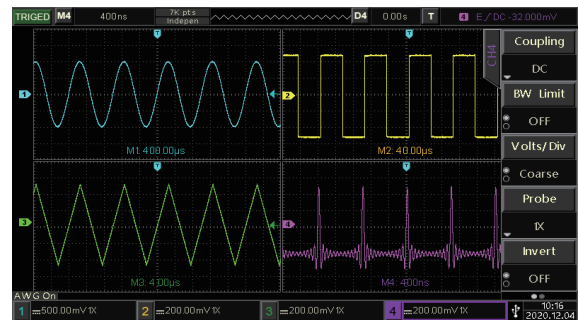
- 16 Digital channels LA modul



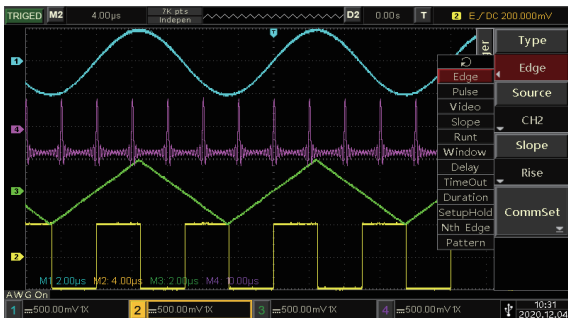
- Built-in 50MHz dual-channel signal generator



- Up to 200,000wms/s waveform capture rate, improving the ability of capturing the random and low probability events, observing the signal jitters and glitches clearly



- The time base of each channel is independent and adjustable, observing simultaneously four (or two) signals with large difference in frequency



- Rich trigger functions



- Up to 100,000 frames waveform record

Technical Specifications	MSO3152E	MSO3154E	MSO3252E	MSO3254E
Bandwidth	150MHz		250MHz	
Analog Channels	2	4	2	4
Digital channel	16			
Built-in Signal Generator	2CH, 50MHz			
Sampling rate (analog)	2.5GSa/s (Single channel), 1.25GSa/s (Dual channels)			
Sampling rate (digital)	1.25GSa/s (Eight channels), 625MSa/s(Sixteen channels)			
Max. memory depth	70Mpts			
Waveform capture rate	200,000wfms/s			
Time base scale (s/div)	2ns/div~40s/div (Real-time sampling rate, memory depth display)			
Time base scale (digital)	2ns/div~40s/div 【Step by 1-2-4 stall】			
Input impedance	(1MΩ±1%) (20pF±3pF)			
Input impedance (digital)	(101kΩ±1%) (9pF±1pF)			
Vertical scale (V/div)	1mV/div~20 V/div (1MΩ)			
DC gain accuracy	<5mV:±3%; ≥5mV:±2%			
Waveform record	100,000 frames			
Trigger types	Standard: Edge, Runt, Window, Nth Edge, Delay, Overtime, Duration, Setup/Hold,Pulse Width, Slop, Video, Code, RS-232/UART, I2C, SPI Optional: USB, CAN			
Bus decode	Standard: RS-232/UART, I2C,SPI Optional: USB,CAN			
Mathematical 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, 34parameters in total digital channel: Freq,Period,+Width,-Width,+Duty, -Duty, RiseDelay A→B, FallDelay A→B, Phase A→B, Phase B→A			
Number of measurements	Display 5 measurements at the same time			
Measurement statistics	Average, Max, Min, standard deviation, number of measurements			
Frequency counter	6 bits			
Standard interfaces	USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail), AWG, UT-M15 logic analyzer probe, VGA			
Power	100V~240V AC, 50Hz/60Hz			
Display	8 inches TFT LCD, WVGA (800x480)			
Product color	White and grey			
Product net weight	4.2kg			
Product size (W×H×D)	370mm x 195mm x 125mm			
Standard quantity per carton	2pcs			
Standard carton size	470mm x 425mm x 300mm			
Standard carton gross weight	12.5kg			

Ordering Information	
MSO3000E Series	MSO3254E: 250MHz, 2.5GSa/s, 70Mpts, 4+16CH MSO
	MSO3252E: 250MHz, 2.5GSa/s, 70Mpts, 2+16CH MSO
	MSO3154E: 150MHz, 2.5GSa/s, 70Mpts, 4+16CH MSO
	MSO3152E: 150MHz, 2.5GSa/s, 70Mpts, 2+16CH MSO
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	UT-P05: Passive probe x 2/4 (1 x, 10 x switchable, 200MHz)
	UT-P06: Passive probe x 2/4 (1 x, 10 x switchable, 300MHz)
	UT-M15: 16CH logic analyzer probe

UPO3000E Series

Ultra Phosphor Oscilloscopes



● UPO3254E

The UPO3000E Series digital oscilloscope is another Best-In-Class instrument from UNI-T offering an unmatched feature/value package. It brings advanced triggering, large display, and decoding features to customers.

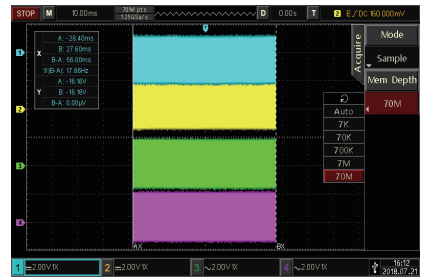
The Series is a fast and versatile scope covering frequencies up to 250MHz with 2 or 4 channels and a wide vertical range (1mV/div-20V/div) to deliver an extremely low noise floor to help you capture smaller signals. 2.5GSa/s max sampling rate and 70Mpts of standard memory depth to its user-friendly interface and 8-inch WVGA display and you've got a scope that outperforms the competition in a wide range of bench-top and field applications.



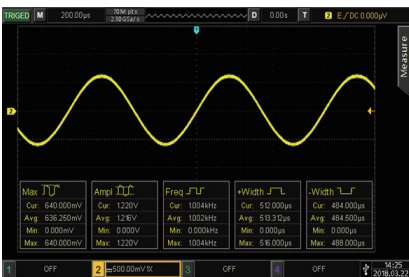
- The ability of capturing low-probability events is highly improved with up to 200,000wfms/s waveform capture rate. Users can clearly observe signal jitters and glitches.



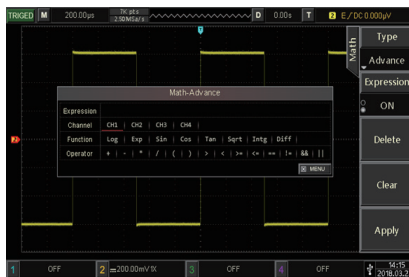
- 256 level intensity grading display to timely show the probability of waveform generation.



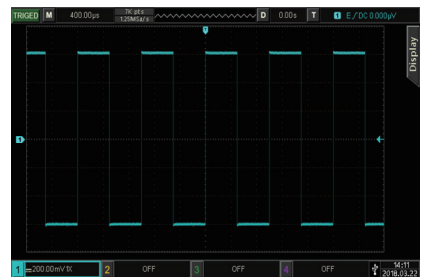
- Up to 70Mpts channel memory depth. Users can capture signals for longer time without losing the waveform details.



- A variety of measuring and statistical functions.



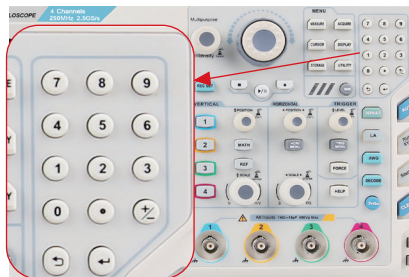
- Editable advanced operations.



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



- A variety of triggers: Runt, Nth Edge, Pattern, RS-232/UART, I2C, SPI, CAN, USB.



- Unique numerical keypad.



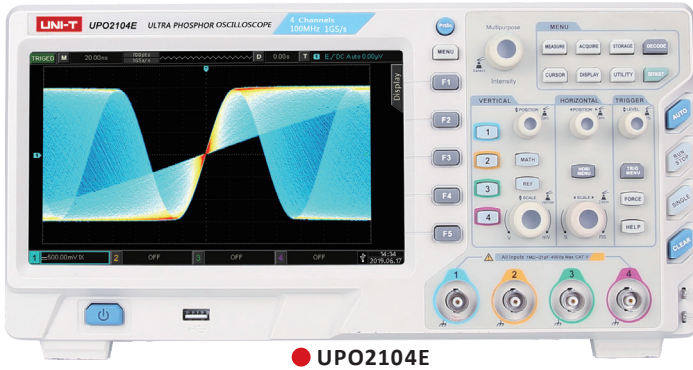
- Multiple frequency output standard square wave signal optional.

Technical Specifications	UPO3152E	UPO3154E	UPO3252E	UPO3254E
Analog bandwidth	150MHz		250MHz	
Channels	2	4	2	4
Sampling rate	2.5GSa/s (Single channel), 1.25GSa/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	100,000 frames			
Trigger types	Standard: Edge, Runt, Window, Nth Edge, Delay, Overtime, Duration, Setup/Hold, Pulse Width, Slope, Video, Code, RS-232/UART, I2C, SPI Optional: USB, CAN			
Bus decode	Standard: RS-232/UART, I2C, SPI Optional: USB, CAN			
Waveform operations	A+B, A-B, A×B, A/B, FFT, editable advanced and logical operations			
Auto measurements	Max, Min, High, Low, Amplitude, Peak-to-Peak, 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			
Power	100V~240V ACrms, 50Hz/60Hz			
Display	8-inch TFT LCD, WVGA (800 x 480)			
Product net weight	4.2kg			
Product size	370mm x 195mm x 125mm			
Standard quantity per carton	2pcs			
Standard carton measurement	470mm x 425mm x 300mm			
Standard carton gross weight	11kg			

Ordering Information	
UPO3000E Series	UPO3254E: 250MHz, 2.5GS/s, 70Mpts, 4-Channel
	UPO3252E: 250MHz, 2.5GS/s, 70Mpts, 2-Channel
	UPO3154E: 150MHz, 2.5GS/s, 70Mpts, 4-Channel
	UPO3152E: 150MHz, 2.5GS/s, 70Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	UT-P05: Passive Probe x 2/4 (1 x, 10 x switchable, 200MHz)
	UT-P06: Passive Probex2/4(1x,10x switchable, 300MHz)

UPO2000E Series

Ultra Phosphor Oscilloscopes

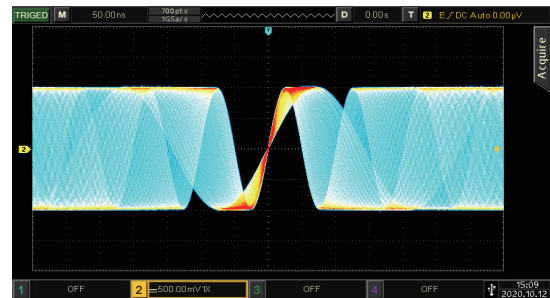


The UPO2000E Series offers unprecedented value in customer applications with its innovative technology, industry leading specifications, powerful trigger functions and broad analysis capabilities.

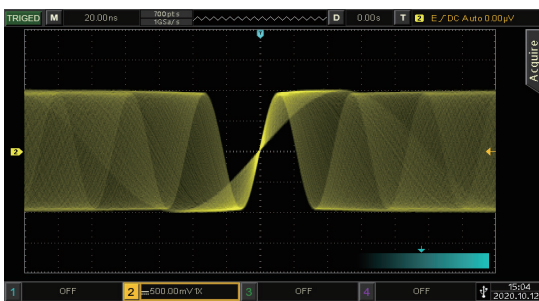
The Series is available in 70MHz and 100MHz bandwidth and 2 or 4 analog channels. It adopts UNI-T UPO visualization technology, has a maximum sample rate of 1GSa/s and a standard memory depth of 56Mpts. It comes with a minimum vertical scale input range of 1mV/div, an innovative digital trigger system with high sensitivity and low jitter, and a waveform capture rate of 80,000wfms/s.



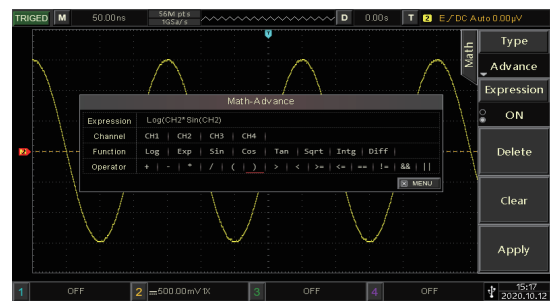
- Up to 56Mpts memory depth, capturing signals for longer time without losing the details of waveform.



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



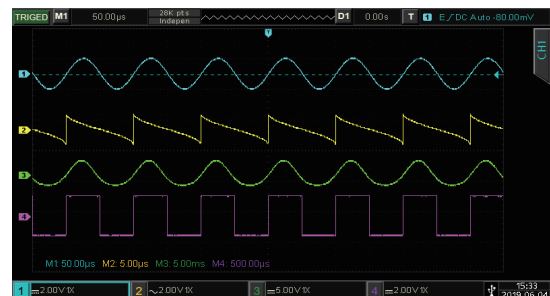
- 80,000wfms/s waveform capture rate, improving the ability of capturing the random and low probability events, observing the signal jitters and glitches clearly.



- Waveform operations, editable advanced operations



- A variety of automatic measurements and statistical functions.



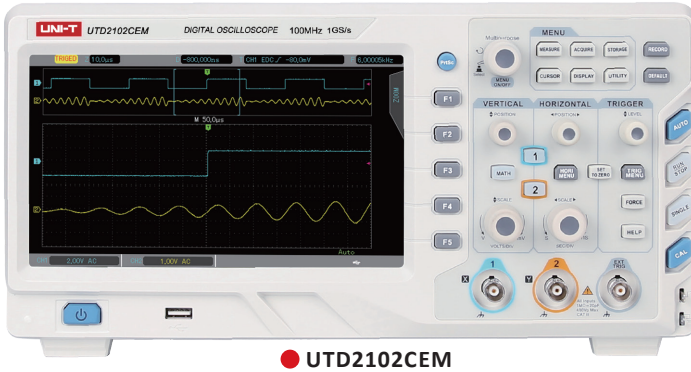
- The time base of each channel is independent and adjustable, observing simultaneously four (or two) signals with large difference in frequency

Technical Specifications	UPO2072E	UPO2074E	UPO2102E	UPO2104E
Bandwidth	70MHz		100MHz	
Channels	2	4	2	4
Sampling rate	1GSa/s			
Max. memory depth	56Mpts (Single channel)			
Waveform capture rate	80,000wfms/s			
Time base scale (s/div)	5ns/div~50s/div			
Input impedance	(1MΩ± 2%) (20 pF± 3pF)			
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)			
DC gain accuracy	≤±4%			
Waveform record	65,000 frames			
Trigger types	Standard: Edge, Pulse, Video, Runt, Windows, Delay, Timeout, Duration, Setup/Hold, Nth Edge, Pattern, RS-232/UART, I2C, SPI			
Bus decode	Standard: RS-232/UART, I2C, SPI			
Mathematical operations	A+B, A-B, A×B, A/B, FFT, Filter, Logic operation, Editable Advanced			
Auto measurements	Max, Min, High, Low, Middle, Pk-Pk, Ample, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, OverShoot, PreShoot, Period, Freq, Rise, Fall, +Width, -Width, +Duty, -Duty, RiseDelay, FallDelay, Phase, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF			
Number of measurements	Display 5 measurements at the same time			
Measurement statistic	Average, Max, Min, Standard Deviation, Number of Measurements			
Frequency counter	Hardware 6 bits counter (Channels are selectable)			
Standard interfaces	USB Host, USB Device, LAN, AUX Out			
Power	100V~240V AC, 50Hz/60Hz			
Display	8 inches TFT LCD, WVGA(800×480)			
Product net weight	3.5kg ± 0.2kg			
Product size	336mm×164mm×108mm			
Standard quantity per carton	2pcs			
Standard carton measurement	450mm×420mm×280mm			
Standard carton gross weight	9.7kg			

Ordering Information	
UPO2000E Series	UPO2104E: 100MHz, 1GSa/s, 56Mpts, 4-Channel
	UPO2102E: 100MHz, 1GSa/s, 56Mpts, 2-Channel
	UPO2074E: 70MHz, 1GSa/s, 56Mpts, 4-Channel
	UPO2072E: 70MHz, 1GSa/s, 56Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	UT-P04: Passive probe x 2/4 (1 x, 10 x switchable, 100MHz)

UTD2000M Series

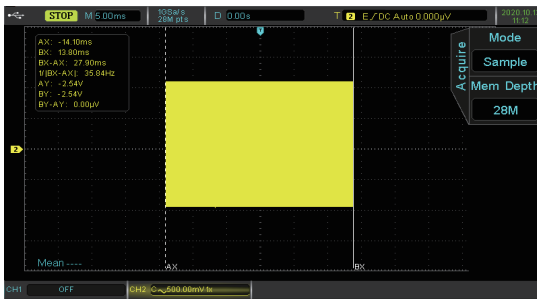
Digital Storage Oscilloscopes



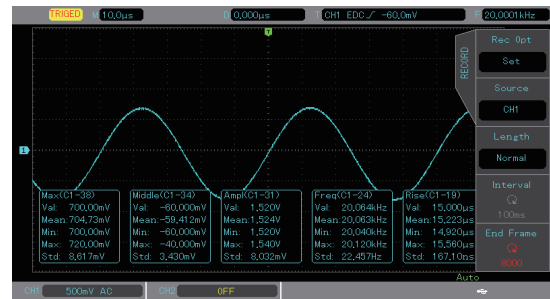
The UTD2000M Series is a market-proven economical digital oscilloscope.

The Series is available in 60, 70, 100 and 200MHz bandwidth models. It includes a 32Mpts memory depth that helps to ensure accurate waveform resolution and to capture longer signal lengths. Along with a 1GSa/s sampling rate, the UTD2000M supports 34 parameters measurements and common mathematical operations to speed up complex / repetitive measurements. With maximum 8-inch TFT-LCD screen (UTD2000CEM Models), there is adequate screen space to help better see and analyze waveform details.

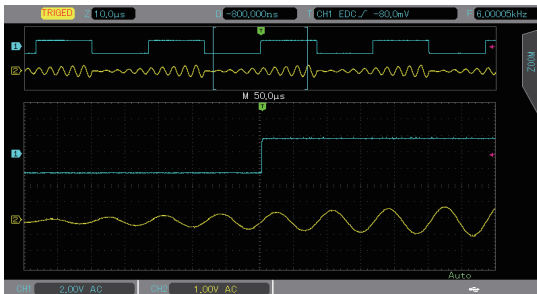
- 60/70/100/200MHz bandwidth
- 32Mpts maximum memory depth
- Waveform capture up to 150,000wfms/s
- 1GSa/s real-time sampling rate, 2 analog channels
- Multiple calibration outputs: 10Hz, 100Hz, 1kHz (default), 10kHz, 100kHz
- 8 inches TFT LCD, WVGA (800 x 480)
- Waveform recorder, recording up to 10Mpts waveform data



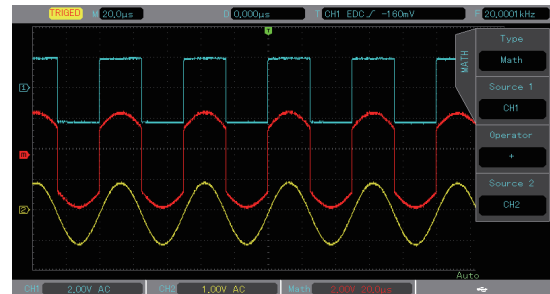
- Up to 28Mpts memory depth



- 8,000 frames waveform recording data, recording more waveform data



- One-click zoom function, observing global and detailed information



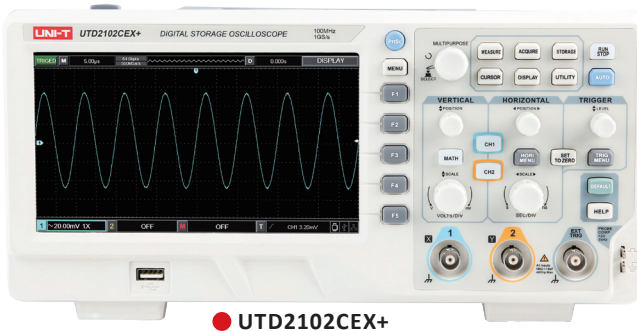
- Abundant math functions: math operation, FFT, digital filtering

Technical Specifications	UTD2072CEM	UTD2102CEM	UTD2062CM	UTD2102CM	UTD2202CM
Channels	2				
Bandwidth	70MHz	100MHz	60MHz	100MHz	200MHz
Sampling rate	1GS/s				
Memory depth	28Mpts		32Mpts		16Mpts
Waveform capture rate	20,000wfms/s		150,000wfms/s		
Rise time	≤5ns	≤3.5ns	≤5.8ns	≤3.5ns	≤1.7ns
Vertical scale(V/div)	1mV/div-20V/div(1MΩ)		2mV/div~10V/div		2mV/div~5V/div
Vertical resolution	8bits				
Time base scale(s/div)	2ns/div~50s/div				
Input impedance	1MΩ±1%, 22pF±3pF		1MΩ±2%, 24pF±3pF		1MΩ±2%, 18pF±3pF
Input coupling	DC, AC, GND				
Timing accuracy	≤(±50+2 × service life) ppm				
Time base mode	Y-T, X-Y, Roll				
Storage methods	Setup, Wave, Bitmap		Setup, Wave, Bitmap, CSV		
Trigger types	Edge, pulse width, slope, video, runt, Over amplitude		Edge, Pulse, Runt, Video, Slope, Alternate		Edge, Pulse, Video, Slope, Alternate
Deviation from scope	±8div [Display vertical shift reading(div)]				
Bandwidth limitation	20MHz				
Trigger modes	Auto, Normal, Single				
Mathematical operations	A+B, A-B, A×B, A/B, FFT		A+B, A-B, A×B, A/B, FFT, Inverted		
Auto measurements	Max, Min, High, Low, Ampl, PkPk, 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				
Displayed measurements	Display 5 measurements at the same time				
Frequency counter	6 bits				
Standard interfaces	USB-OTG, Pass/Fail		USB Device, USB Host, Pass/Fail		
Power	100V~240V AC, 50Hz/60Hz				
Display	8 inches TFT LCD, WVGA (800×480)		7 inches TFT LCD, WVGA(800×480)		
Product net weight	3.5kg		2.9kg		
Product size	336mm×164mm×108mm		332mm × 147mm × 170mm		
Standard quantity per carton	2pcs				
Standard carton measurement	450mm×420mm×280mm				
Standard carton gross weight	8kg		9.3kg		

Ordering Information	
UTD2000M Series	UTD2202CM: 200MHz, 1GSa/s, 16Mpts, 2-Channel
	UTD2102CM: 100MHz, 1GSa/s, 32Mpts, 2-Channel
	UTD2062CM: 60MHz, 1GSa/s, 32Mpts, 2-Channel
	UTD2102CEM: 100MHz, 1GSa/s, 28Mpts, 2-Channel
	UTD2072CEM: 70MHz, 1GSa/s, 28Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	UT-P05: Passive probe x 2/4 (1x, 10 x switchable, 200MHz)
	UT-P04: Passive probe x 2/4 (1x, 10 x switchable, 100MHz)

UTD2000CEX Series

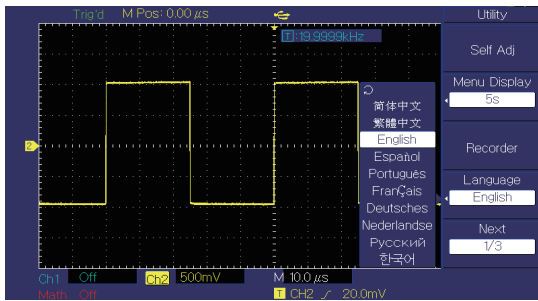
Digital Storage Oscilloscopes



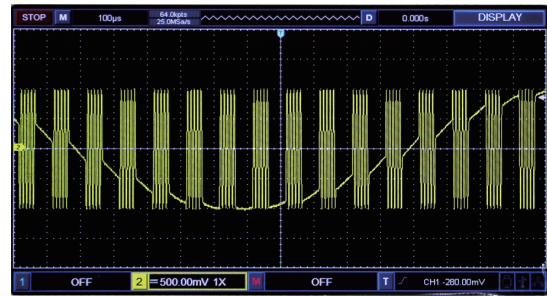
● UTD2102CEX+

UTD2000CEX Series is the value leader of high performance economical oscilloscope 1GSa/s sampling rate and big screen. As it is widely loved by customers, the Series has been extended to three sub-series such as CEX/CEX+/CEX-II to meet the diversified needs of customers.

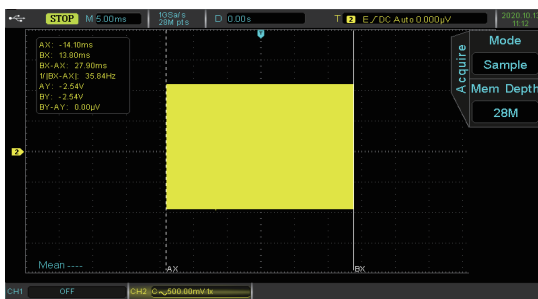
The classical CEX Series is a great entry for value oscilloscope requirements with features including FFTs, record and replay, roll mode, alternate trigger mode. The CEX+ provides a richer trigger mode, 34 kinds of automatic parameter measurement and common mathematical operation functions, and optimizes the panel operation, which greatly improves the work efficiency and can easily cope with the measurement needs of complex signals. The CEX-II waveform capture rate up to 20,000wfms/s, upgrade to 8-inch screen to help observe more waveform details.



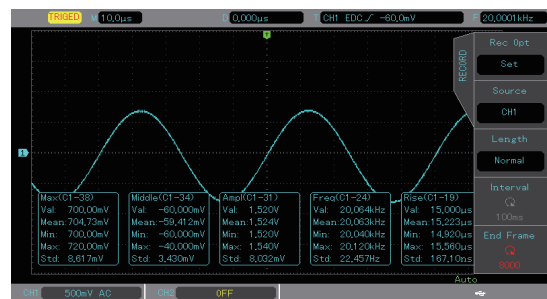
● Multilingualism to meet the needs of more users in countries



● Wider display range 8divx16div



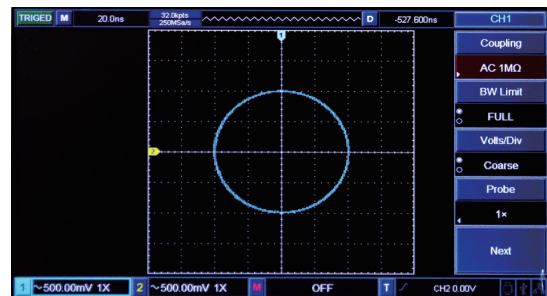
● 28Mpts storage depth



● Waveform recording function



● Automatic Measurement of Waveform Parameters



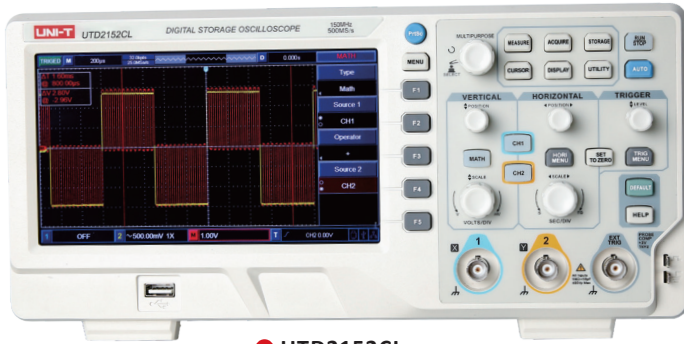
● Lissa Jous's Waveform Phase Measurement

Technical Specifications	UTD2052CEX	UTD2072CEX	UTD2102CEX	UTD2072CEX-II	UTD2102CEX-II	UTD2102CEX+	UTD2202CEX+
Channels	2						
Bandwidth	50MHz	70MHz	100MHz	70MHz	100MHz	100MHz	200MHz
Sampling rate	1GSa/s						
Memory depth	25kpts	25kpts	25kpts	25kpts	25kpts	64kpts	64kpts
Waveform capture rate	≥2,000wfms/s	≥2,000wfms/s	≥2,000wfms/s	≥20,000wfms/s	≥20,000wfms/s	≥5,000wfms/s	≥5,000wfms/s
Rise time	<7ns	<5ns	<3.5ns	<5ns	<3.5ns	<3.5ns	<1.7ns
Vertical scale (V/div)	1mV/div~20V/div						
Vertical resolution	8bits						
Time base scale (s/div)	2ns/div~50s/div						
Deviation from scope	±10div (away from screen center)			±8div(away from screen center)		±8div(away from screen center)	
Input impedance	1MΩ±2%, 24±3pF			1MΩ±1%, 22pF±3pF		1MΩ±2%, 18±3pF	
Input coupling	DC, AC, GND						
Timing accuracy	≤± (50+2 × service life)ppm						
Time base mode	Y-T, X-Y, Roll						
Storage methods	Setup, wave, bitmap						
Trigger types	Edge, Pluse, Alternate			Edge, pulse width, slope, video, runt, Over amplitude		Edge, pulse, alternate,Slope, video	
Mathematical operations	+, -, ×, ÷			+, -, ×, ÷, FFT,logic operation		+, -, ×, ÷, FFT	
Auto measurements	23 types			34 types			
Displayed measurements	Display 5 measurements at the same time						
Frequency counter	6 bits						
Interface	USB OTG			USB-OTG, Pass/Fail		USB Device, USB Host, Pass/Fail	
Power	100-240VAC, 45-440Hz						
Display	7 inches TFT LCD, 800×480			8 inches TFT LCD, 800×480		7 inches TFT LCD, 800×480	
Product net weight	2.2kg			3.5kg		2.5kg	
Product size	306mm ×147mm × 122mm			336mm×164mm×108mm		306mm×138mm×124mm	
Standard quantity per carton	2pcs						
Standard carton measurement	450mm x 420mm x 280mm						
Standard carton gross weight	7.1kg			8kg		7.5kg	

Ordering Information	
UTD2000CEX+	UTD2202CEX+: 200MHz,1GSa/s,64kpts,2-Channel
	UTD2102CEX+: 100MHz,1GSa/s,64kpts,2-Channel
UTD2000CEX-II	UTD2102CEX-II: 100MHz,1GSa/s,25kpts,2-Channel,8 inches
	UTD2072CEX-II: 70MHz,1GSa/s,25kpts,2-Channel,8 inches
UTD2000CEX	UTD2102CEX: 100MHz,1GSa/s,25kpts,2-Channel
	UTD2072CEX: 70MHz,1GSa/s,25kpts,2-Channel
	UTD2052CEX: 50MHz,1GSa/s,25kpts,2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable(UTD2000CEX+)
	UT-D15: USB interface cable(UTD2000CEX/CEX-II)
	UT-P03: Passive Probe x 2 (1 x , 10 x switchable,60MHz)
	UT-P04: Passive Probe x 2 (1 x , 10 x switchable,100MHz)
	UT-P05: Passive Probe x 2 (1 x , 10 x switchable,200MHz)

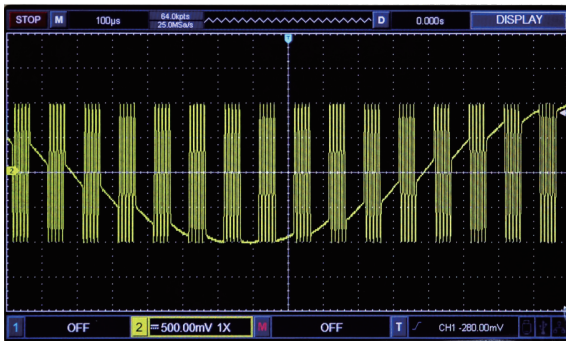
UTD2000CL Series

Digital Storage Oscilloscopes

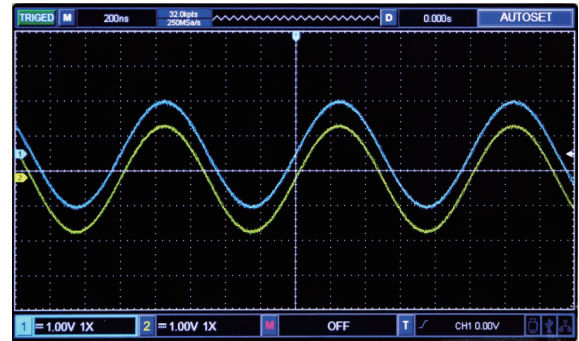


● UTD2152CL

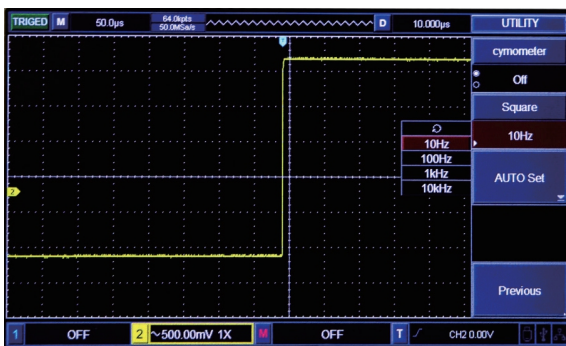
The UTD2000CL Series is a market-proven economical digital oscilloscope. This series of digital oscilloscopes has excellent technical indicators and can meet the main needs of basic testing. The front panel design is clear and intuitive, fully in line with the traditional instrument usage habits, and is convenient for users to operate.



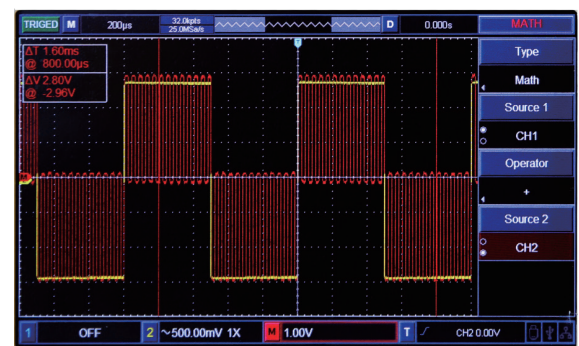
● Wider display range 8div×16div



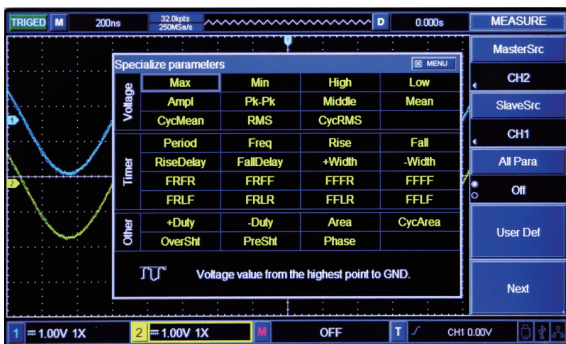
● New autoset function, easy to handle complex test scenarios



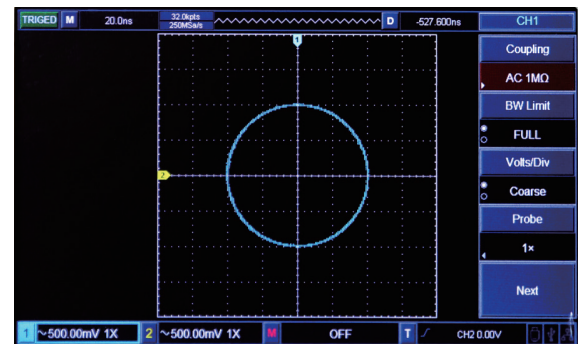
● Multiple frequency output standard square wave optional



● Abundant math functions: math operation, FFT, digital filtering



● Automatic measurement of waveform parameters



● Lissajous figure phase measurement

Technical Specifications	UTD2025CL	UTD2052CL	UTD2072CL	UTD2152CL
Bandwidth	25MHz	50MHz	70MHz	150MHz
Channels	2			
Sampling rate	250MSa/s	500MSa/s	500MSa/s	500MSa/s
Rise time	<14ns	<7ns	<5ns	<2.4ns
Memory depth	25kpts		64kpts	
Waveform capture rate	>2,000wfms/s		>5,000wfms/s	
Vertical scale (V/div)	1mV/div~20V/div			
Time base scale (s/div)	10ns/div~50s/div	5ns/div~50s/div	2ns/div~50s/div	2ns/div~50s/div
Timing accuracy	≤± (50+2 × service life) ppm			
Time base modes	Y-T, X-Y, Roll			
Storage methods	Setup, wave, bitmap			
Trigger types	Edge, pulse, video (UTD2025CL) alternate		Edge, pulse, alternate, slope, video	
Mathematical operations	A+B, A-B, A×B, A/B, FFT			
Auto measurements	Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, C ycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width, +Duty, -Duty,(UTD2052/25CL)FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, Area, CycArea, OverSht, PreSht, Phase, 34 paramet ers in total			
Number of measurements	Display 5 measurements at the same time			
Frequency counter	6 bits			
Standard interfaces	USB OTG, Pass/Fail		USB Device, USB Host, Pass/Fail	
Power	100-240V AC, 45-440Hz			
Display	7 inches TFT LCD, 800×480			
Product net weight	2.2kg		2.5kg	
Product size (W×H×D)	306mm x 147mm x 122mm		336mm×164mm×108mm	
Standard quantity per carton	2pcs			
Standard carton size	450mm x 420mm x 280mm			
Standard carton gross weight	7.1kg		6.7kg	

Ordering Information	
UTD2000CL Series	UTD2152CL: 150MHz, 500MSa/s, 64kpts, 2-Channel
	UTD2072CL: 70MHz, 500MSa/s, 64kpts, 2-Channel
	UTD2052CL: 50MHz, 500MSa/s, 25Kpts, 2-Channel
	UTD2025CL: 25MHz, 250MSa/s, 25Kpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable (UTD2152CL,UTD2072CL)
	UT-D15: USB interface cable (UTD2052CL,UTD2025CL)
	UT-P05: Passive probe x 2 (1 x, 10 x switchable, 200MHz)UTD2152CL
	UT-P04: Passive probe x 2 (1 x, 10 x switchable, 100MHz)UTD2072CL
	UT-P03: Passive probe x 2 (1 x, 10 x switchable, 60MHz)UTD2052CL
	UT-P01: Passive probe x 2 (1 x, 10 x switchable, 25MHz)UTD2025CL

UTD1000C Series

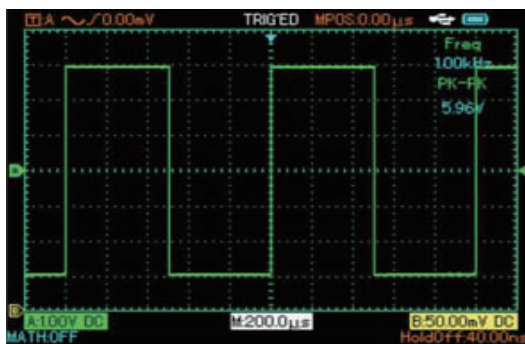
Handheld Digital Storage Oscilloscopes



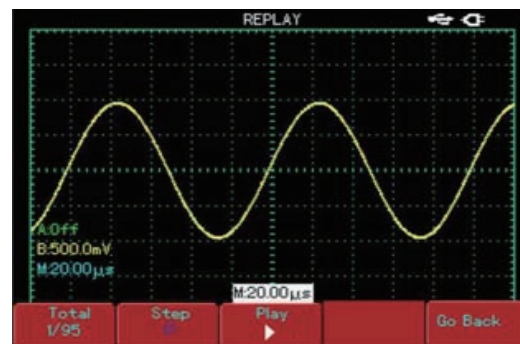
● UTD1062C

The UTD1000C Series handheld oscilloscope offers user-friendliness, outstanding technical indicators and a host of advanced features which can be powered by external AC power supply or powered by built-in lithium battery. Its powerful trigger and analytical functions also make it easy to acquire and analyses waveforms, while the sharp and clear LCD and mathematics functions ensure clear observation and reliable analysis of signal conditions. It is the perfect tool for completing testing swiftly and efficiently. As the design is based on the controls of traditional instruments, users can use the new units without spending considerable time in learning and familiarizing with operation.

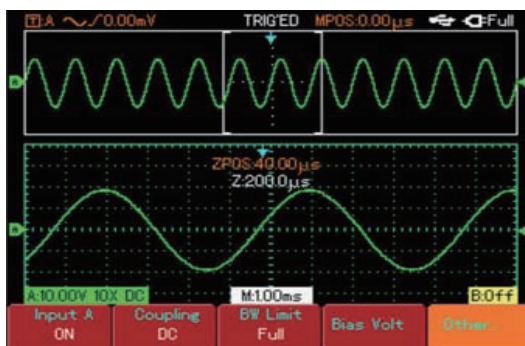
- 250MSa/s, 500MSa/s, 1GSa/s real-time sampling rate; 2 analog channels
- Bandwidth: 60MHz/100MHz/200MHz
- Multimeter function, 5999 display count
- Fine window extension; precise analysis of waveform details and overview
- Automatic measurement of 27 waveform parameters
- Unique waveform recording, storage and replay function
- Multilingual menu displays
- HD color 5.7 inches LCD panel at 320 x 240 pixel aspect ratio



- Fast automatic measurement



- Recorded waveform replay



- Display under window zoom



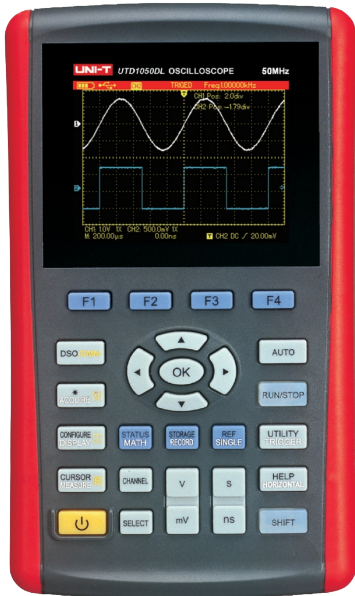
- 5999 display count multimeter function

Technical Specifications	UTD1062C	UTD1102C	UTD1202C
Bandwidth	60MHz	100MHz	200MHz
Channels	2		
Sampling rate	250MSa/s	500MSa/s	1GSa/s
Rise time	≤5.8ns	≤3.5ns	≤1.8ns
Memory depth	7.5kpts		
Vertical scale (V/div)	5mV/div~50V/div		
Time base scale (s/div)	5ns/div-50s/div	5ns/div-50s/div	2ns/div-50s/div
Storage modes	Setup, waveform, bitmap		
Trigger types	Edge, pulse width, video and alternative		
Standard interfaces	USB Host		
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	±(1.2%+5)	
	6A	±(1.5%+5)	
AC current (A) (45Hz~400Hz)	6mA/60mA/600mA	±(2%+5)	
	6A	±(2.5%+5)	
Resistance (Ω)	6kΩ/60kΩ/600kΩ	±(1.2%+5)	
	600Ω/6MΩ/60MΩ	±(1.5%+5)	
Capacitance (F)	6nF/6mF	±(5%+10)	
	60nF/600nF/6μF/60μF/600μF	±(4%+5)	
Display count	5999		
Auto range	√		
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 net weight	1.8kg		
Product size (W×H×D)	268mm x 168 mm x 60mm		
Standard quantity per carton	4pcs		
Standard carton size	500mm x 400mm x 320mm		
Standard carton gross weight	16.7kg		

Ordering Information	
UTD1000C Series	UTD1202C: 200MHz, 7.5Kpts, 1GSa/s, 2-Channel
	UTD1102C: 100MHz, 7.5Kpts, 500MSa/s, 2-Channel
	UTD1062C: 60MHz, 7.5Kpts, 250MSa/s, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-H04: Passive Probe x 2 (1 x, 10 x switchable, 100MHz)
	UT-H05: Passive Probe x 2 (1 x, 10 x switchable, 200MHz)
	UT-M03: 1 Voltage/current converter: 4mA-600mA
	UT-M04: 1 Voltage/current converter: 4A/6A
	DC adapter: 1pc
	Multimeter Test Lead: 1 pair

UTD1000L Series

Handheld Digital Storage Oscilloscopes

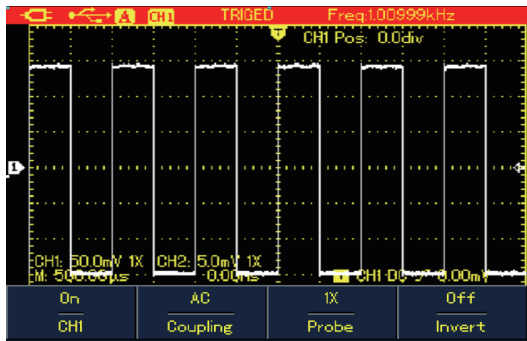


● UTD1050DL

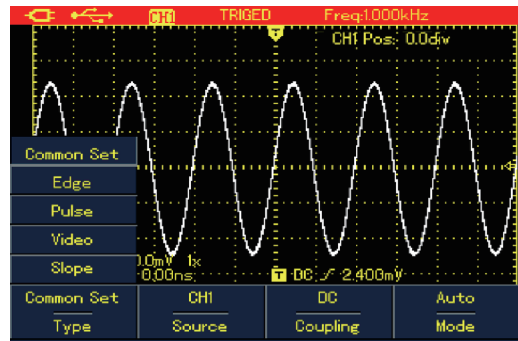
The UTD1000L Series is an economical hand-held digital storage oscilloscope, which integrates oscilloscope, multi-meter, trend chart and waveform recording function. The compact and portable design brings different visual and operational experience to users.

This series can be powered by external power supply or built-in lithium batteries. It is a popular portable measuring instrument tailored for engineers.

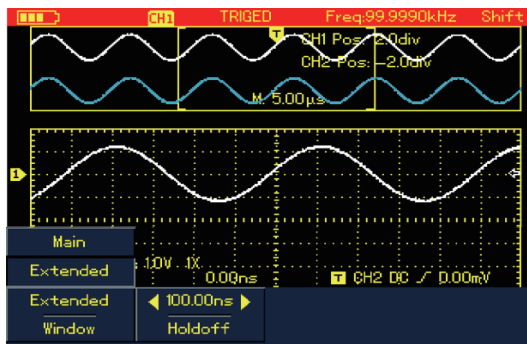
- 200MSa/s, 250MSa/s real-time sampling rate; 1/2 analog channels
- Bandwidth: 25MHz, 50MHz
- Combine oscilloscope, multimeter and recorder functions in one, 3999 display count
- 8 hours of continuous battery operation for UTD1000CL and 6 hours for UTD1000DL
- 22 types of auto measurements
- Unique waveform record, storage and replay functions
- High-resolution and high-contrast color LCD
- Simple printscreen function



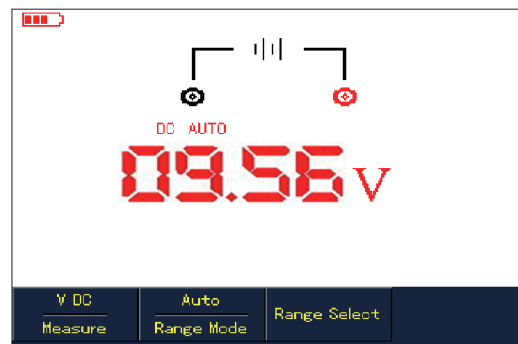
● Full autoset



● Typical and practical trigger function



● Display under window zoom



● 3999 display count multimeter function

Technical Specifications	UTD1025CL	UTD1050CL	UTD1025DL	UTD1050DL
Bandwidth	25MHz	50MHz	25MHz	50MHz
Channels	1		2	
Sampling rate	200MSa/s		250MSa/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			
Standard 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	3999			
Power	Li-ion battery: 7.4V 3600mAh; DC adapter: 100V~240V, 50/60Hz input, 9V/4A output			
Display	3.5 inches TFT LCD, 320x240			
Product net weight	0.9kg			
Product size (W×H×D)	199mm x 118 mm x 49mm			
Standard quantity per carton	2pcs			
Standard carton size	305mm x 190mm x 330mm			
Standard carton gross weight	3.3kg		4.6kg	

Ordering Information	
UTD1000DL Series	UTD1050DL: 50MHz, 12Kpts, 250MSa/s, 2-Channel
	UTD1025DL: 25MHz, 12Kpts, 250MSa/s, 2-Channel
UTD1000CL Series	UTD1050CL: 50MHz, 12Kpts, 200MSa/s, 1-Channel
	UTD1025CL: 25MHz, 12Kpts, 200MSa/s, 1-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-H03: Passive probe x 2 (1 x, 10 x switchable, 60MHz)(1000DL)
	UT-H03: Passive probe x 1 (1 x, 10 x switchable, 60MHz)(1000CL)
	UT-M10: 1 Voltage/current converter: 40mA, 400mA (1000DL)
	UT-M04: 1 Voltage/current converter: 4A/6A (1000DL)
	UT-M07: current diverter: 10A (1000CL)
	UT-D17: USB Host to Mini USB data cable
	Power adapter : 1pc
	Multimeter Test Lead: 1 pair (one red, one black)
Portable bag	

ACCESSORIES

Model selection

Name	Model	M503000E	UPO3000E	UPO2000E	UTD2000CM	UTD2000CEM	UTD2000CEX+	UTD2000CEX-II	UTD2000CEX	UTD2000CL	UTD1000C	UTD1000DL	UTD1000CL	UTG4000A
UT-H01	Probe factor:(10:1) Bandwidth: 25MHz. voltage:600Vpp											•	•	
UT-H03	Probe factor:(10:1) Bandwidth: 60MHz.voltage:600Vpp										•	•	•	
UT-H04	Probe factor:(10:1) Bandwidth: 100MHz.voltage:600Vpp										•			
UT-H05	Probe factor:(10:1) Bandwidth: 200MHz.voltage:600Vpp										•			
UT-P01	Probe factor:(10:1) Bandwidth: 25MHz.voltage:600Vpp									•				
UT-P03	Probe factor:(10:1) Bandwidth: 60MHz.voltage:600Vpp			•				•	•					
UT-P04	Probe factor:(10:1) Bandwidth: 100MHz.voltage:600Vpp			•	•	•	•	•	•	•				
UT-P05	Probe factor:(10:1) Bandwidth: 200MHz.voltage:600Vpp	•	•	•		•			•					
UT-P06	Probe factor:(10:1) Bandwidth: 300MHz.voltage:600Vpp	•	•											
UT-P07	Probe factor:(10:1) Bandwidth: 500MHz.voltage:600Vpp													
Option														
UT-P20	Passive probe: (100:1) Bandwidth: 250MHz voltage: 1500V	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P21	Passive high voltage probe: (1000:1) Bandwidth: 50MHz voltage: DC 15kVrms/AC 10kV (sine wave)	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P30	Differential probe: (10:1/100:1) Bandwidth: 100MHz differential voltage: ±800Vpp	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P31	High voltage differential probe: (10:1/100:1) Bandwidth: 100MHz differential voltage: ±1500Vpp	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P32	Differential probe: (1000:1/100:1) Bandwidth: 50MHz Input differential voltage: ±3000Vpp	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P33	Differential probe: (100:1/10:1) Bandwidth: 120MHz differential voltage: ±14KVpp	•	•	•	•	•	•	•	•	•	•	•	•	
UT-V23	High voltage probe: (100:1) Bandwidth: 100MHz voltage: 2000Vpp	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P40	Current probe: Range: 50mV/A, 5mV/A Current range: 0.4A~60A Frequency: DC~100kHz voltage: 600Vrms	•	•	•	•	•	•	•	•	•	•	•	•	
UT-P41	Current probe: Range : 100mV/A, 10mV/A Current range: 50A~100A Frequency: DC~100kHz voltage: 600Vrms	•	•	•	•	•	•	•	•	•	•	•	•	
UT-M03	Voltage/current converter: Range: 4mA-600mA										•			
UT-M04	Voltage/current converter: Range: 4A/6A										•	•		
UT-M07	Current diverter: Range: 10A												•	
UT-M08	Lithium battery subassembly: Output voltage: 7.4V Capacity: 3600mAh											•	•	
UT-M10	Voltage/current converter: Range: uA, 40mA, 400mA											•		
UT-U02	Digital protocol cable Channels: 16													•
UT-M15	Logic analyzer probe:16CH	•												

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.



WAVEFORM GENERATORS

Model selection

Name	Model	Channels	Sampling rate	MAX Frequency													
				600	400	200	160	120	80	60	30	25	10	5	2		
UTG9000T Series Arbitrary Waveform Generators	UTG9604T	4	2.5GSa/s	•													
	UTG9404T	4	2.5GSa/s		•												
	UTG9204T	4	2.5GSa/s			•											
UTG4000A Series Arbitrary Waveform Generators	UTG4162A	2	500MSa/s				•										
	UTG4122A	2	500MSa/s					•									
	UTG4082A	2	500MSa/s						•								
UTG2000 Series Arbitrary Waveform Generators	UTG2122B	2	1.28GSa/s					•									
	UTG2082B	2	1.28GSa/s						•								
	UTG2062B	2	1.28GSa/s							•							
	UTG2025A	2	125MSa/s									•					
UTG900E Series Arbitrary Waveform Generators	UTG962E	2	200MSa/s							•							
	UTG932E	2	200MSa/s								•						
UTG1000A Series Arbitrary Waveform Generators	UTG1010A	1	125MSa/s											•			
	UTG1005A	1	125MSa/s													•	
UTG9000C-II Series Arbitrary Waveform Generators	UTG9005C-II	1	125MSa/s													•	
	UTG9002C-II	1	125MSa/s														•

UTG9000T Series

Pulse Function Arbitrary Wave Generators

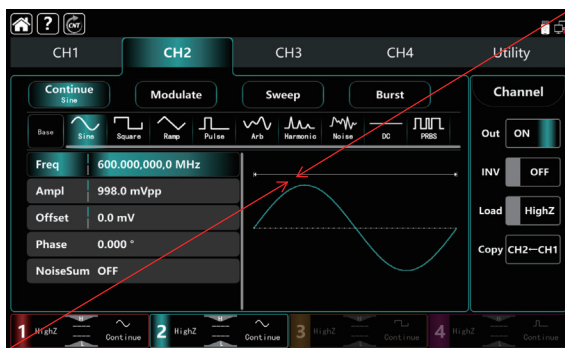


● UTG9604T

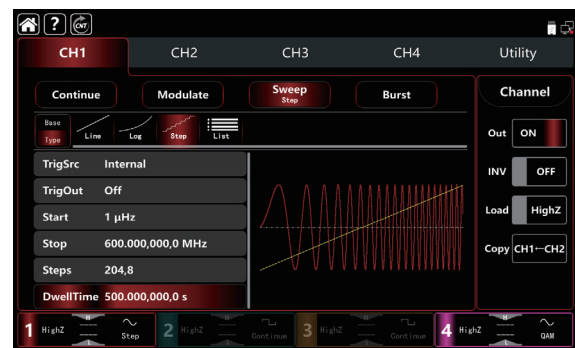
The UTG9000T series is a 4 channels waveform generator and able to provide more multi-function such as Noise, IQ signals and PRBS etc.

The series MAX Frequency output is 600MHz and the MAX sampling rate is up to 2.5GSa/s. It generates accurate & stable waveform which adopts Direct Digital Synthesizer (DDS) technology. The Series provides high performance and multiple functions with high-resolution (1μHz). With a super screen 10.1 inches & rational layout is to enhance comfort level and improve users work efficiency.

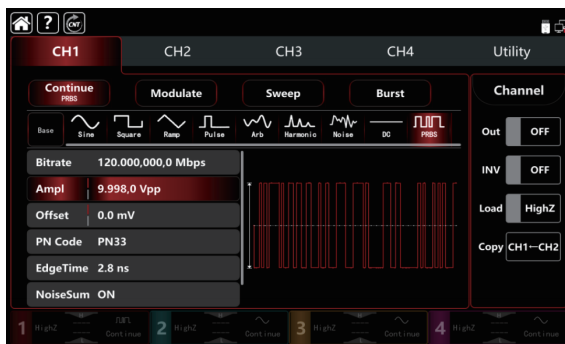
- 4 channels output
- Output: 600MHz sine wave, full-band resolution: 1μHz
- Digital protocol output: SPI, I2C, UART
- Sampling rate: 2.5GSa/s, vertical resolution: 16bits
- Arbitrary wave memory depth of 64Mpts, supports point-to-point and one-click SNR output
- Frequency sweep modes: linear, logarithmic, list, stepping
- 10.1 inches capacitive touchscreen with 1280*800 resolution
- 200MHz pulse waveform with adjustable rise and fall time
- Standard interfaces: USB Host, USB Device, LAN
- Modulation types: AM, PM, FM, DSBAM, ASK, PSK, BPSK, QPSK, FSK, 3FSK, 4FSK, QAM, OSK, PWM, SUM



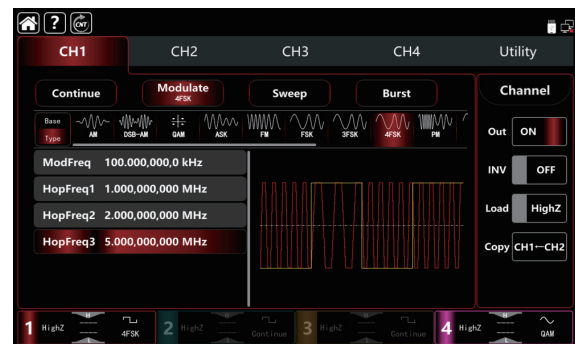
- 10.1 inches capacitive touchscreen, 4 channels, Sampling rate: 2.5GSa/s, Vertical resolution: 16bits



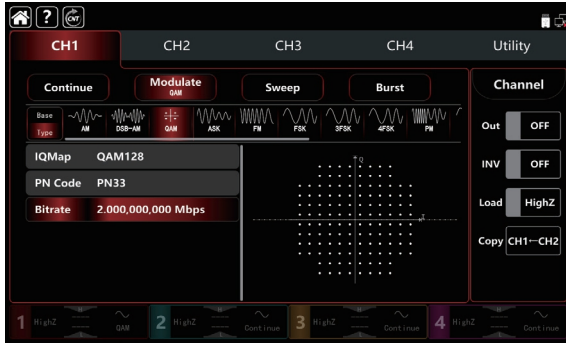
- Rich sweep features: Line,Log,Step,List



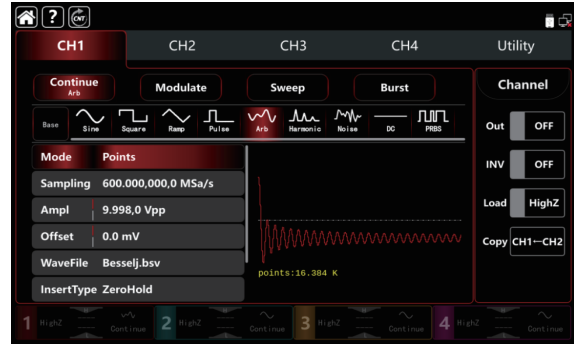
- Support for multiple signal outputs:PRBS



- Rich analog/digital modulation features



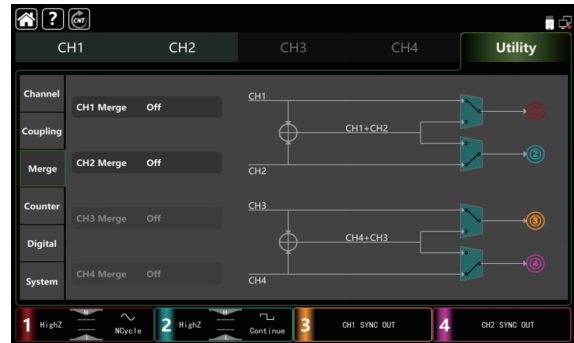
- Support for IQ modulation



- Arbitrary wave memory depth of 64Mpts, supports point-to-point and one-click SNR output



- Digital protocol output: SPI, I2C, UART



- Channels coupling and Channels merge

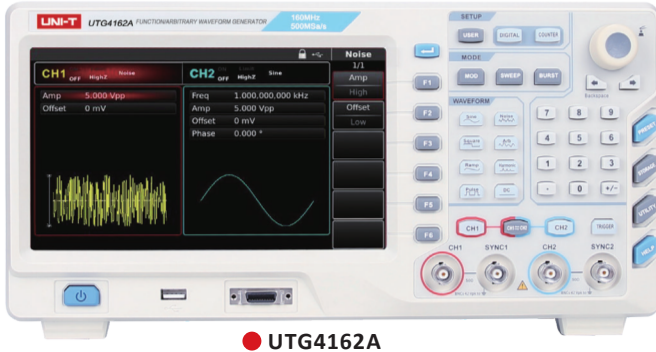
Technical Specifications	UTG9204T	UTG9404T	UTG9604T	UTG9204T	UTG9404T	UTG9604T
Channel	CH1 & CH2 (Main)			CH3 & CH4 (Slave)		
Max. frequency	200MHz	400MHz	600MHz	120MHz	160MHz	200MHz
Sampling rate	2.5GSa/s			625MSa/s		
Vertical resolution	16bits					
Arbitrary wave length	8pts-64Mpts			8kpts		
Working mode	Continue, modulation, frequency sweep, burst, cymometer, digital protocol					
Continue	Sine, square, ramp, pulse, harmonic, noise, PRBS, DC, arbitrary waveform					
Modulation types	AM, PM, FM, DSBAM, ASK, PSK, BPSK, QPSK, FSK, 3FSK, 4FSK, QAM, OSK, PWM, SUM					
Frequency sweep types	Linear, logarithmic, list, stepping					
Burst types	N cycle, gating, infinite					
Digit types	SPI, I2C, UART					
Hardware cymometer	100mHz-800MHz, DC/AC coupling					
Frequency Characteristics						
Sine wave	1μHz-200MHz	1μHz-400MHz	1μHz-600MHz	1μHz-120MHz	1μHz-160MHz	1μHz-200MHz
Square wave	1μHz-120MHz	1μHz-160MHz	1μHz-200MHz	1μHz-40MHz	1μHz-50MHz	1μHz-60MHz
Pulse wave	1μHz-120MHz	1μHz-160MHz	1μHz-200MHz	1μHz-40MHz	1μHz-50MHz	1μHz-60MHz
Ramp wave	1μHz-10MHz	1μHz-20MHz	1μHz-30MHz	1μHz-3MHz	1μHz-8MHz	1μHz-10MHz
Noise	1μHz-200MHz	1μHz-400MHz	1μHz-600MHz	1μHz-120MHz	1μHz-160MHz	1μHz-200MHz
Arbitrary wave (DDS)	1μHz-60MHz	1μHz-80MHz	1μHz-100MHz	1μHz-40MHz	1μHz-50MHz	1μHz-60MHz
PRBS	1μbps-40Mbps	1μbps-80Mbps	1μbps-120Mbps	1μbps-20Mbps	1μbps-40Mbps	1μbps-60Mbps
Harmonic wave	1μHz-100MHz	1μHz-200MHz	1μHz-300MHz	1μHz-60MHz	1μHz-80MHz	1μHz-100MHz
Frequency resolution	1μHz					
Rise/fall time	1MHz, 1 Vpp, 50Ω load					
	<3ns	<2ns	<1.5ns	<7ns	<6ns	<5ns

Technical Specifications	UTG9204T	UTG9404T	UTG9604T	UTG9204T	UTG9404T	UTG9604T
Output amplitude (High Z)	≤40MHz		20Vpp	≤20MHz		20Vpp
	≤120MHz		10Vpp	≤80MHz		10Vpp
	≤160MHz		5Vpp	≤120MHz		5Vpp
	≤300MHz		4Vpp	≤200MHz		3Vpp
	≤400MHz		2.5Vpp			
	≤500MHz		1.5Vpp			
	≤600MHz		1Vpp			
Amplitude accuracy	(1kHz sine wave with 0V offset, >10mVpp) ± (1% of set amplitude+1mVpp)					
Flatness	≤10MHz, 0.1dB					
	≤160MHz, 0.2dB					
	≤350MHz, 0.4dB					
	≤500MHz, 0.6dB					
	≤600MHz, 0.8dB					
DC offset range	DC output range: peak value AC+DC; -5Vpp~5Vpp(50Ω); -10Vpp~10Vpp(High Z)					
DC offset accuracy	±1% of offset set value ± 0.5% of amplitude set value ±2mV					
Interface						
Standard configuration	USB Host, USB Device, LAN					
Output resistance	50Ω					
Power	100~240V AC, 50Hz/60Hz; 100~120Vrms (±10%), 400 Hz					
Display	10.1 inches TFT capacitive touchscreen with 1280*800 resolution					
Product net weight	4.04kg					
Product size (W×H×D)	370mm x 115mm x 185mm					
Standard quantity per carton	1pc					
Standard carton size	500mm x 305mm x 315mm					
Standard carton gross weight	9kg					

Ordering Information	
UTG9000T Series	UTG9604T: 600MHz, 2.5GSa/s, 64Mpts, 4-Channel
	UTG9404T: 400MHz, 2.5GSa/s, 64Mpts, 4-Channel
	UTG9204T: 200MHz, 2.5GSa/s, 64Mpts, 4-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables (1M): 4pcs

UTG4000A Series

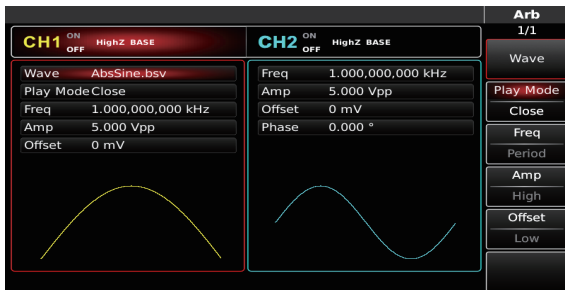
Pulse Function Arbitrary Wave Generators



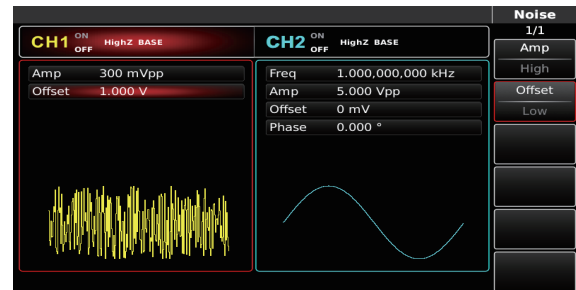
● UTG4162A

The UTG4000A Series waveform generators are applied to a wide range of application domain, integrating multiple waveforms for Function Generation, Arbitrary Waveform Generation, Pulse Generation, Harmonic Generation, Analog/Digital Modulation source. The UTG4000A Series is a waveform generator with high sampling rate up to 500MS/s, MAX waveform length up to 32Mpt. To generate stable, precise, low distortion signals The UTG4000A Series adopts Direct Digital Synthesizer (DDS) technology. User-friendly interface design with high resolution 8 inches display screen and rational panel layout to improve operational efficiency.

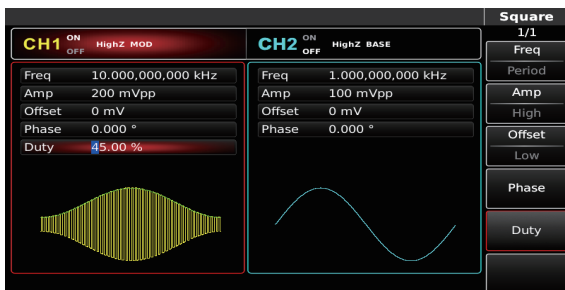
- 80MHz/120MHz/160MHz sine waveform output, 1 μ Hz full-band resolution
- 30MHz/40MHz/50MHz pulse waveform, adjustable rise/fall time
- 500MSa/s sampling rate, 16 bits vertical resolution
- Standard dual channels, supporting stand-alone or channel-coupling output mode
- 32Mpts arbitrary waveform length, 7GB non-volatile arbitrary waveforms
- Versatile modulation options: AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, OSK, PWM, SUM, QAM
- Frequency counter range: 100mHz~800MHz
- 8 inches TFT LCD,WVGA (800 \times 480)
- Standard Ports: USB Host, USB Device, LAN, 10MHz Input, 10MHz Output, Frequency Counter, FSK Trig, Modulation In



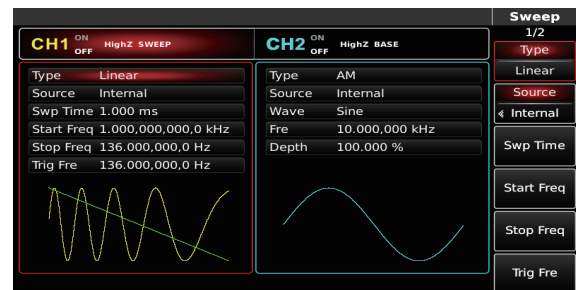
● Built-in arbitrary waveform available at any time



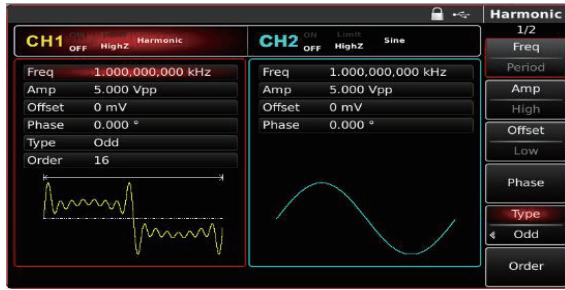
● Noise modes



● Rich modulation functions



● Linear and logarithmic sweep waveform



● Customize harmonic generation function



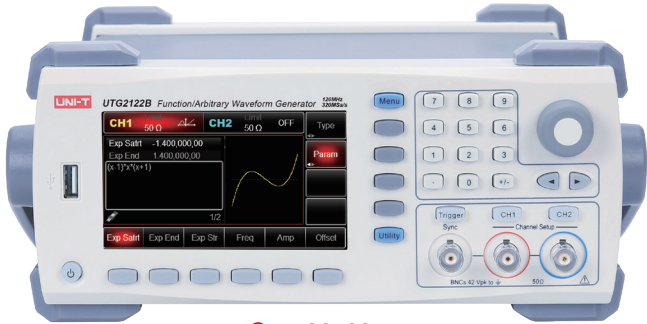
● Special digital interface (optional)

Technical Specifications	UTG4082A	UTG4122A	UTG4162A
Max. frequency	80MHz	120MHz	160MHz
Channels	2		
Sampling rate	500MSa/s		
Waveforms	Sine,square,ramp,harmonic,pulse,noise,DC voltage,arbitrary		
Working modes	Output on/off, continuous, modulation, sweep, burst		
Modulation types	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	120MHz	160MHz
Resolution	1μHz		
Arbitrary Waveform			
Frequency range	1μHz~20MHz	1μHz~30MHz	1μHz~40MHz
Memory depth	8pts~32Mpts		
Vertical resolution	16bits		
Min rise/fall time (typical: 1Vpp)	<7ns	<6ns	<5ns
Power	100V~240V AC, 50Hz/60Hz		
Display	8 inches TFT LCD, WVGA (800 x 480)		
Product net weight	3.5kg		
Product size (W×H×D)	336mm x 164mm x 108mm		
Standard quantity per carton	1pc		
Standard carton size	405mm x 225mm x 265mm		
Standard carton gross weight	4.8kg		

Ordering Information	
UTG4000A Series	UTG4162A: 160MHz, 500MSa/s, 32Mpts, 2-Channel
	UTG4122A: 120MHz, 500MSa/s, 32Mpts, 2-Channel
	UTG4082A: 80MHz, 500MSa/s, 32Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables (1M): 1 pair
Optional Accessories	UT-U02: digital cable

UTG2000B Series

Function Arbitrary Waveform Generators

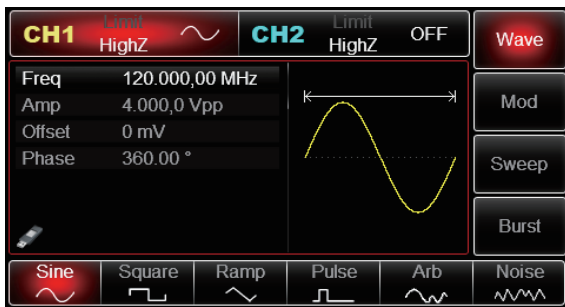


● UTG2122B

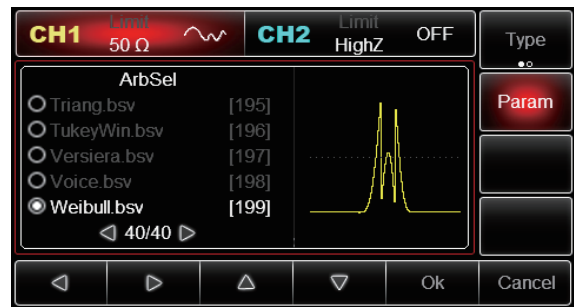
Engineers who require high signal fidelity in a reliable and capable waveform generation need look no further than the UTG2000B Series generators.

With frequencies up to 120MHz, 16bits Resolution, and arbitrary waveform length of up to 16Mpts, the UTG2000B reproduces any waveform with high fidelity and low jitter signals, which can meet the growing requirements of complex and extensive applications.

Friendly user interface, excellent industrial design and superior technical indicators are multi-purpose equipment to meet your current and future testing needs.



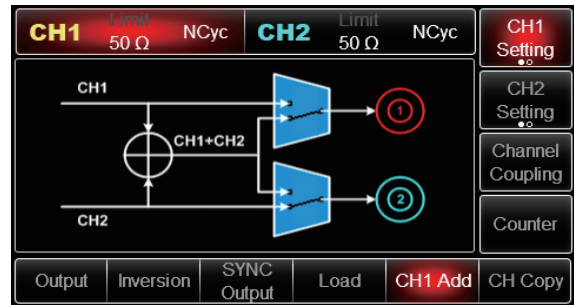
● 120MHz sine waveform output, double channels multiple waveforms selection



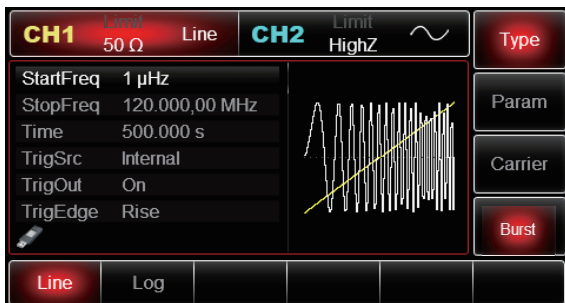
● Built-in up to 200 arbitrary waveforms



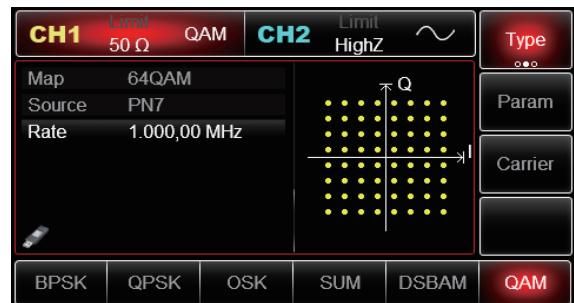
● Built-in 16 types harmonic generators



● Supporting stand-alone or channel-coupling output mode



● Sweep function and burst mode



● Multiple analog and digital modulation functions

Technical Specifications	UTG2062B	UTG2082B	UTG2122B
Max. frequency	60MHz	80MHz	120MHz
Channels	2		
Sampling rate	1.28GSa/s (4 × Interpolation)		
Waveforms	Sine, square, ramp, pulse, noise, DC, arbitrary, harmonic		
Working modes	Output on/off, continuous, modulation, sweep, burst		
Modulation types	AM,FM,PM,ASK,FSK,PSK,PWM,BPSK,QPSK,OSK,DSB-AM,SUM,QAM		
Arbitrary Waveform			
Memory depth	8pts~16Mpts		
Vertical resolution	16bits (symbol included)		
Frequency Characteristics			
Sine	1μHz~60MHz	1μHz~80MHz	1μHz~120MHz
Square	1μHz~25MHz	1μHz~25MHz	1μHz~30MHz
Pulse	1μHz~20MHz	1μHz~25MHz	1μHz~30MHz
Ramp	1μHz~3MHz	1μHz~4MHz	1μHz~5MHz
Harmonic	1μHz~30MHz	1μHz~40MHz	1μHz~60MHz
Arbitrary	1μHz~15MHz	1μHz~20MHz	1μHz~25MHz
Noise	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, 10MHz clock source input/output, External analog modulation input		
Power	100V~240V AC, 50Hz/60Hz		
Display	4.3 inches TFT LCD, WVGA (480 x 272)		
Product net weight	3.2kg		
Product size (W×H×D)	265mm x 110mm x 320mm		
Standard quantity per carton	2pcs		
Standard carton size	380mm x 330mm x 320mm		
Standard carton gross weight	8.5kg		

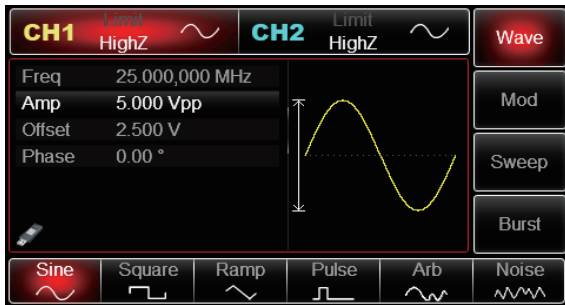
Ordering Information	
UTG2000B Series	UTG2122B: 120MHz, 320MSa/s, 16Mpts, 2-Channel
	UTG2082B: 80MHz, 320MSa/s, 16Mpts, 2-Channel
	UTG2062B: 60MHz, 320MSa/s, 16Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables: 1pc, BNC to alligator clip line (1M): 1pc

UTG2000A Series

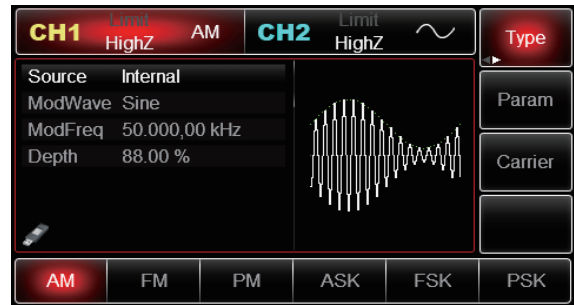
Function Arbitrary Waveform Generators



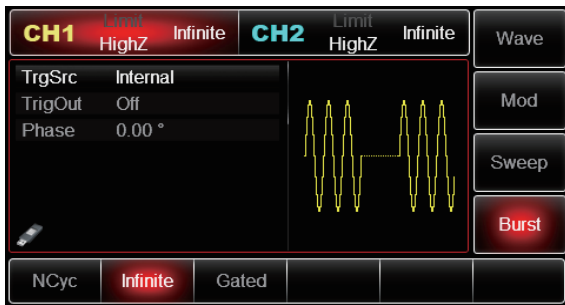
The UTG2000A Series redefines the entry level waveform generator by bringing advanced capabilities like 14-bit high resolution, 125MSa/s sampling rate to our most affordable line of generators. 200 built-in arbitrary waveforms enable the UTG2000A Series delivers a powerful low cost signal generator for students and engineers alike.



- 25MHz sine waveform output, double channels with multiple waveforms selection



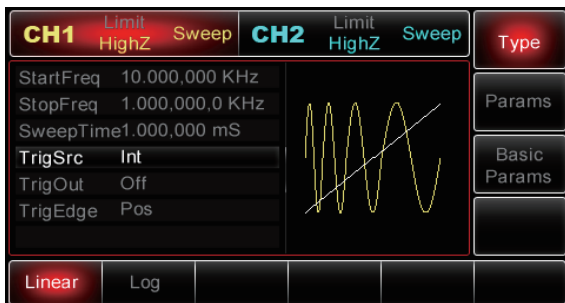
- Multiple analog and digital modulation functions



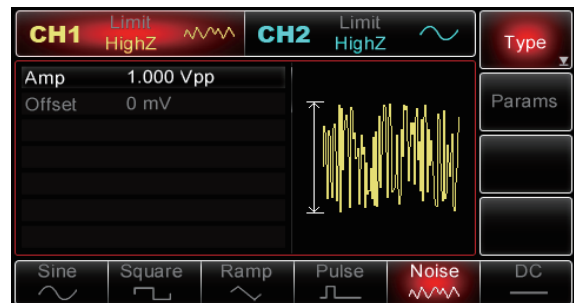
- Three burst modes options



- Square wave up to 50% duty cycle



- Sweep function and burst mode



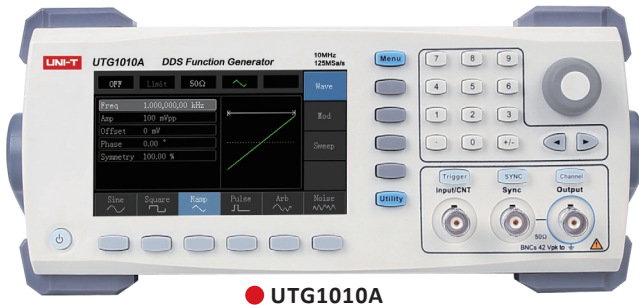
- Noise signal at 25MHz bandwidth

Technical Specifications		UTG2025A
Max. frequency	25MHz	
Channels	2	
Sampling rate	125MSa/s	
Waveforms	Sine, square, ramp, pulse, noise, DC, arbitrary	
Working modes	Output on/off, continuous, modulation, sweep, burst	
Modulation types	AM, FM, PM, ASK, FSK, PSK, PWM	
Arbitrary Waveform		
Memory depth	8pts~8kpts	
Vertical resolution	14bits	
Frequency Characteristics		
Sine	1μHz~25MHz	
Square	1μHz~5MHz	
Pulse	1μHz~5MHz	
Ramp	1μHz~400kHz	
Arbitrary	1μHz~5MHz	
Noise	25MHz (-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, 10MHz clock source input/output, External analog modulation input	
Power	100V~240V AC, 50Hz/60Hz	
Display	4.3 inches TFT LCD, WVGA (480 x 272)	
Product net weight	3.2kg	
Product size (W×H×D)	265mm x 110mm x 320mm	
Standard quantity per carton	2pcs	
Standard carton size	380mm x 330mm x 320mm	
Standard carton gross weight	8.5kg	

Ordering Information	
UTG2000A Series	UTG2025A: 25MHz, 125MSa/s, 8Kpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables: 1pc, BNC to alligator clip line (1M): 1pc

UTG1000A Series

Function Arbitrary Waveform Generators



The UTG1000A series of high performance function/ arbitrary waveform generators adopt direct digital synthesis (DDS) technology to generate accurate, stable, pure, low distortion output signals with high resolution up to 1 μ Hz.

The MAX output frequency of UTG1000A is 5MHz/10MHz, provides multiple analog and digital modulation functions. UTG1000A series provides superior technical indicators and user-friendly operation interface, which can help you complete your tasks faster and greatly improve your work efficiency.

- 5/10MHz sine waveform output, 1 μ Hz full-band resolution
- 125MSa/s sampling rate, 14 bits vertical resolution
- Single channel
- Versatile modulation options: AM, FM, PM, ASK, FSK, PWM
- 16 types of non-volatile arbitrary waveform stores
- 4.3 inches high resolution color TFT display



- Single Channel, Multiple basic waveform options



- Various modulation functions



- Linear and logarithmic sweep waveform



- 16 types arbitrary waveforms

Technical Specifications	UTG1005A	UTG1010A
Max. frequency	5MHz	10MHz
Channel	1	
Sampling rate	125MSa/s	
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	14bits	
Max. memory depth	16kpts	
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	
Power	100~240V AC, 50Hz/60Hz	
Display	4.3 inches TFT LCD, WVGA (480 x 272)	
Product net weight	3.2kg	
Product size (W×H×D)	165mm x 110mm x 320mm	
Standard quantity per carton	2pcs	
Standard carton size	380mm x 330mm x 320mm	
Standard carton gross weight	8.5kg	

Ordering Information	
UTG1000A Series	UTG1010A: 10MHz, 125MSa/s, 1-Channel
	UTG1005A: 5MHz, 125MSa/s, 1-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables: 1pc

UTG900E Series

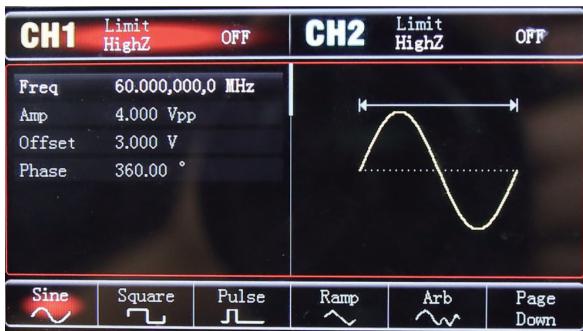
Function Arbitrary Waveform Generators



● UTG962E

The UTG900E Series is a handheld mini economical, high performance, arbitrary function waveform generator. It provides a unique and most cost-effective solution for electronics enthusiasts with the minimum resolution up to 1μHz, mini size and light weight to our most affordable line of generators. Flexibly meet your testing needs in various scenarios, and fully improve your work and learning efficiency.

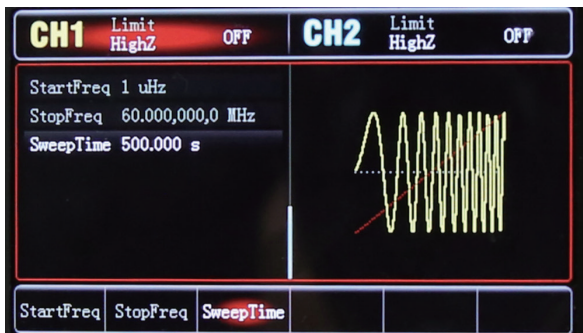
- Portable handheld mini signal generator
- Easy to use modulation types: AM, FM, PM, FSK
- 24 types of non-volatile waveform stores
- 4.3 inches high resolution color TFT display
- 30MHz/60MHz sine waveform output, 1μHz full-band resolution
- 200MSa/s sampling rate, 14 bits vertical resolution, double channels
- High-accuracy, broad-band 6 bit frequency counter, range: 100mHz~100MHz



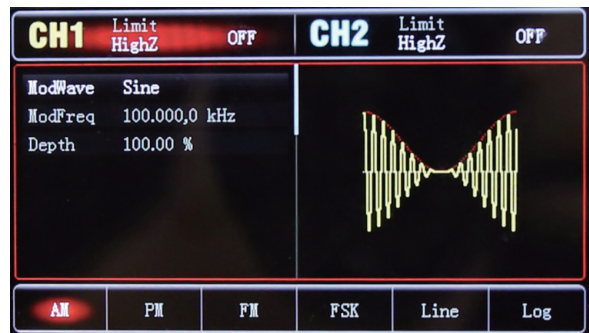
- Standard 2 full functional channels, multiple basic waveform options



- 24 arbitrary waveforms



- Linear and logarithmic sweep function



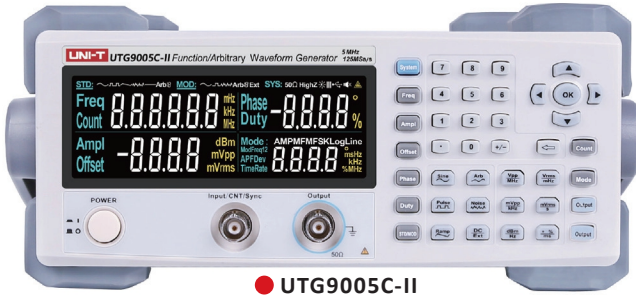
- Friendly modulation functions interface

Technical Specifications	UTG932E	UTG962E
Max. frequency	30MHz	60MHz
Channels	2	
Sampling rate	200MSa/s	
Vertical resolution	14 bits	
Waveforms	Sine, square, pulse, ramp, noise, DC, arbitrary	
Sweep modes	Logarithmic, linear	
Frequency Characteristics		
Sine	1μHz~30MHz	1μHz~60MHz
Square	1μHz~15MHz	1μHz~20MHz
Ramp	1μHz~400kHz	1μHz~400kHz
Pulse	1μHz~15MHz	1μHz~20MHz
Arbitrary	1μHz~10MHz	1μHz~10MHz
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 (AC+DC)	±5V (50Ω); ±10V (high Z)	
Amplitude resolution	1mV	
Power	100~240VAC, 50Hz/60Hz	
Display	4.3 inches TFT LCD (480×272)	
Product net weight	0.33kg	
Product size (W×H×D)	172mm x 90mm x 68mm	
Standard quantity per carton	4pcs	
Standard carton size	435mm x 360mm x 125mm	
Standard carton gross weight	3.8kg	

Ordering Information	
UTG900E Series	UTG962E: 60MHz, 200MS/s, 2-Channel
	UTG932E: 30MHz, 200MS/s, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC cables: 1pc, BNC to alligator clip line (1M): 1pc
	Power adapter

UTG9000C-II Series

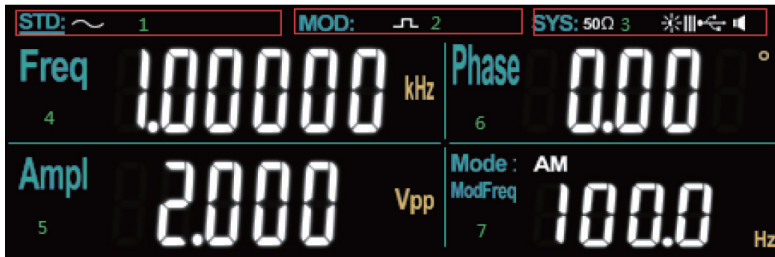
Function Arbitrary Waveform Generators



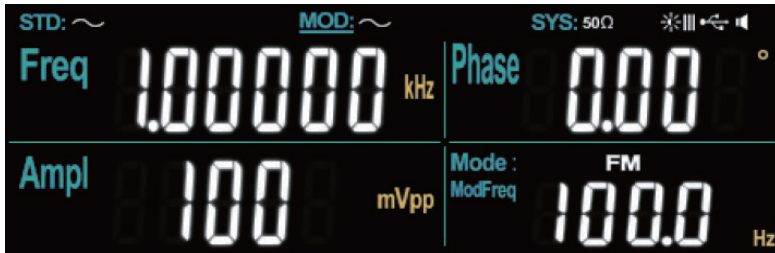
● UTG9005C-II

The UTG9000C-II Series is an economical single channel Waveform Generator with convenient operation interface. The Series is able to generate 20 types of Arbitrary Waveform with sampling rate up to 125MS/s, MAX frequency 5MHz, 14-bit vertical resolution.

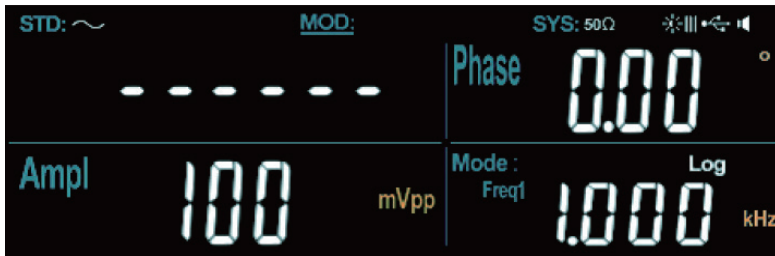
- 2MHz/5MHz sine waveform output, 1μHz full-band resolution
- DDS implementation with 125MSa/s sampling rate and 14 bits vertical resolution
- 20 sets of non-volatile digital arbitrary waveform stores
- High-accuracy, broad-band 6 bit frequency counter, range: 100mHz~100MHz
- Easy to use modulation type: AM, FM
- Ultra-black EBTN LCD display



- Single Channel, Clear and easy functional interface



- Easy to use modulation type



- Sweep function



- Arbitrary wave output

Technical Specifications	UTG9002C-II	UTG9005C-II
Max. frequency	2MHz	5MHz
Channel	1	
Sampling rate	125MSa/s	
Vertical resolution	14bits	
Waveforms	Sine,square,pulse,ramp,noise,DC,arbitrary (20 sets inside)	
Sweep modes	Logarithmic,linear	
Power output		4W
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 (AC+DC)	-5Vpp~5Vpp (50Ω) (AC+DC); -10Vpp~10Vpp (high Z) (AC+DC)	
Amplitude resolution	1mV	
Power	100~240V AC, 50Hz/60Hz	
Display	EBTN LCD	
Product net weight	2.8kg	
Product size (W×H×D)	265mm x 110mm x 320mm	
Standard quantity per carton	2pcs	
Standard carton size	380mm x 330mm x 320mm	
Standard carton gross weight	7kg	

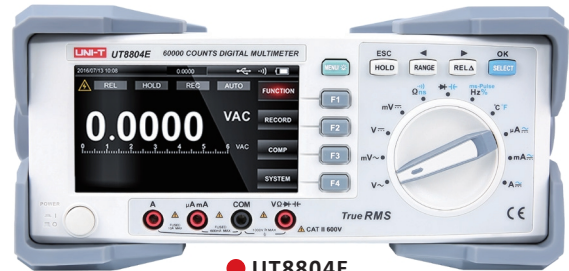
Ordering Information	
UTG9000C-II Series	UTG9005C-II: 5MHz, 125MSa/s, 1-Channel
	UTG9002C-II: 2MHz, 125MSa/s, 1-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	BNC-alligator clip cable (1M): 1pc

UT8000E Series

Benchtop Digital Multimeters



● UT8802E



● UT8804E



● UT8803E



● UT8805E

The UT8000E Series is a new generation of reliable, cost effective, full capabilities digital multi-meters. With measuring DCV, ACV, DCI, ACI, Resistance (2&4 Wire), Capacitance, Inductance, Diode Test, Frequency and Temperature. The Series is not only designed for simple and efficient bench top use, but also includes providing a variety of auxiliary functions, communication interfaces, software options for data logging and remote programming to help meet the needs of test and measurement applications in process testing, teaching experiments and inspection occasions.

The series includes four models, UT8802E/03E/04E/05E, providing customers with more choices, it can fit any DMM application with speed, accuracy, reliability, and efficiency well beyond its price.

- Maximum reading 199999 display count 5½ bit resolution
- Manual and automatic range, TRMS
- Up to 5k rdgs/s sampling rate
- Multiple mathematical operations
- Multifunctional measurement, double display function, Graphical user interface
- Arbitrary sensor measurement
- Built-in thermocouple cold junction compensation
- 1Gb flash memory storage which can support up to 10k data recall
- 4.3 inches TFT-lcd, display resolution 480 x 272

Technical Specifications	UT8802E	UT8803E	UT8804E	UT8805E
Display count	19999	5999	59999	199999
DCV Accuracy	0.1%	0.3%	0.025%	0.015%
Sampling speed	2~3rdgs/s	2~3rdgs/s	2~3rdgs/s	5k rdgs/s
DC voltage (V)	200mV/2V/20V/ 200V/1000V	1000V	1000V	1000V
AC voltage (V)	2V/20V/200V/750V	750V	1000V	750V (45Hz~100kHz)
DC current (A)	200μA/2mA/20mA/ 200mA/20A	10A	10A	10A
AC current (A)	2mA/20mA/200mA/20A	10A	10A	10A
Capacitance (F)	100mF	6mF	60mF	2mF
Resistance (Ω)	200Ω/2kΩ/20kΩ/200kΩ/ 2MΩ/200MΩ	60MΩ	60MΩ	100MΩ
Inductance (H)	--	100H	--	--
Conductance (nS)	--	--	60nS	--
Temperature (°C/°F)	--	-40°C~1000°C	-40°C~1000°C	-270°C~1370°C
Frequency (Hz)	200Hz~10MHz	600Hz~20MHz	60Hz~60MHz	20Hz~1MHz
Duty cycle (%)	5%~99%	5%~95%	10%~90%	--
Frequency response (Hz)	1kHz	100kHz	100kHz	100kHz
Range	Manual	Manual,Auto	Manual,Auto	Manual,Auto
Input impedance for DCV	10MΩ	10MΩ	10MΩ	<20V: 10GΩ Other:10MΩ
True RMS	--	√	√	√
Diode/Continuity	√	√	√/-	√
SCR/Transistor hFE	√	√	--	--
Hold	√	√	√	√
LCD backlight	√	√	√	√
AC+DC measurement	--	--	√	--
Data storage	--	--	20000	10000; 1Gb flash memory
Arbitrary sensor measurement	--	--	--	√
Dual display measurement	--	--	--	√
Mathematical operations	--	--	--	√
Interface	USB Device	USB Device	USB Device	USB Host, USB Device, LAN, RS-232
Power	UT8802E/8803E/8804E: 100V/120V/220V/240V ±10%, 47Hz~63Hz; UT8805E: AC 100V~120V: 45Hz~440Hz; AC 200V~240V: 45Hz~66Hz			
Display	UT8802E/8803E: EBTN; UT8804E/8805E: 4.3 inches TFT LCD			
Product net weight	UT8802E/8803E: 3.09kg; UT8804E: 3.7kg; UT8805E: 4.4kg			
Product size (W×H×D)	UT8802E/8803E: 265mm x 110mm x 320mm; UT8804E/8805E: 239mm x 109mm x 344mm			
Standard quantity per carton	2pcs			
Standard carton size	380mm x 330mm x 320mm			
Standard carton gross weight	UT8802E/8803E:9kg, UT8804E: 9.5kg, UT8805E: 10.5kg			

Ordering Information	
UT8000E Series	UT8805E: Benchtop Digital Multimeter: Display:199999,0.015%,Range: Auto
	UT8804E: Benchtop Digital Multimeter: Display:59999,0.025%,Range: Auto
	UT8803E: Benchtop Digital Multimeter: Display:5999,0.3%,Range: Auto
	UT8802E: Benchtop Digital Multimeter: Display:19999,0.1%,Range: Manual
Standard Accessories	International standard power cord
	USB interface cable
	RS-232C interface cable (only UT8805E)
	Test leads
	Simple test lead with alligator
Temperature probe (UT8803/4/5E)	

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.



DC POWER SUPPLIES

Model selection

Name	Model	Channels	Output voltage	Output current	Resolution
UTP3300S Series Programmable Linear DC Power Supply	UTP3305S	3	0~30V(CH1,CH2); 2.5V/3.3V/5V(CH3)	0~5A(CH1,CH2); 3A(CH3)	1mV 1mA
	UTP3303S	3	0~30V(CH1,CH2); 2.5V/3.3V/5V(CH3)	0~3A(CH1,CH2); 3A(CH3)	1mV 1mA
UDP3300 Series Programmable Linear DC Power Supply	UDP3305C	3	0~30V(CH1,CH2); 1.8V/2.5V/3.3V/5V (CH3)	0~5A(CH1,CH2); 3A(CH3)	10mV 1mA
	UDP3303C	3	0~30V(CH1,CH2); 1.8V/2.5V/3.3V/5V (CH3)	0~3A(CH1,CH2); 3A(CH3)	10mV 1mA
	UDP3303A	3	0~30V(CH1,CH2); 1.8V/2.5V/3.3V/5V (CH3)	0~3A(CH1,CH2); 3A(CH3)	10mV 1mA
UDP1300C Series Programmable Linear DC Power Supply	UDP1306C	1	0~32V	0~6A	10mV 1mA
UTP3300C Series Programmable Linear DC Power Supply	UTP3305C	3	0~30V(CH1,CH2); 5V(CH3)	0~5A(CH1,CH2); 3A(CH3)	10mV 1mA
	UTP3303C	3	0~30V(CH1,CH2); 5V(CH3)	0~3A(CH1,CH2); 3A(CH3)	10mV 1mA
UTP3300-II Series Linear DC Power Supply	UTP3305-II	3	0~32V(CH1,CH2); 5V(CH3)	0~5A(CH1,CH2); 3A(CH3)	10mV 1mA
	UTP3303-II	3	0~32V(CH1,CH2); 5V(CH3)	0~3A(CH1,CH2); 3A(CH3)	10mV 1mA
UTP3300 Series Linear DC Power Supply	UTP3305	3	0~32V(CH1,CH2); 5V(CH3)	0~5A(CH1,CH2); 3A(CH3)	100mV 10mA
	UTP3303	3	0~32V(CH1,CH2); 5V(CH3)	0~3A(CH1,CH2); 3A(CH3)	100mV 10mA
UTP3300TFL-II Series Linear DC Power Supply	UTP3315TFL-II	1	0~30V	0~5A	10mV 1mA
	UTP3313TFL-II	1	0~30V	0~3A	10mV 1mA
UTP1300 Series Linear DC Power Supply	UTP1305	1	0~32V	0~5A	100mV 10mA
	UTP1303	1	0~32V	0~3A	100mV 10mA
UTP1300 Series Switching DC Power Supply	UTP1310	1	0~32V	0~10A	10mV 1mA
	UTP1306	1	0~32V	0~6A	10mV 1mA

UDP3300 Series

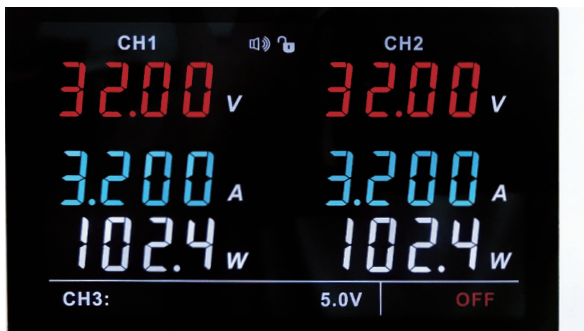
Programmable Linear DC Power Supplies



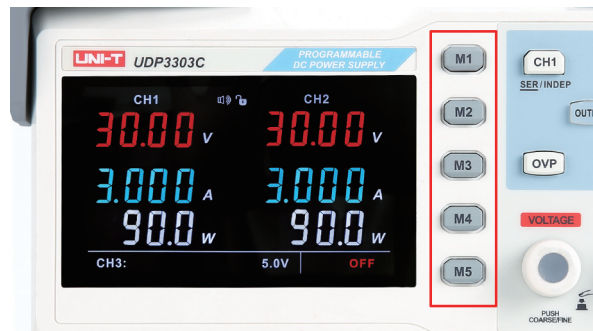
The UDP3300 Series Programmable DC regulated power supply is a cost-effective program control DC power supply with outstanding performance, reliable output and clear interface.

The Series has three independent outputs: two of them are adjustable outputs of 30V/3A, the other one is a fixed selectable output of 1.8V/2.5V/3.3V/5V/3A, supports for tunable output of 0-6V /3.2A simultaneously. With the constant voltage (CV) and constant current (CC) modes, short circuit, overcurrent protection, overvoltage protection and thermal-shutdown features, the instrument can perfectly meet various test requirements.

- High precision 4-digit voltage and current display
- Over voltage/current/temperature protection
- Output voltage/current settings viewable
- USB Device, RS-232 interface
- 5 sets of setup storage: M1-M5
- Shutdown memory
- Keyboard lock
- Intelligent temperature-controlled fan
- 5V/2A USB charging interface



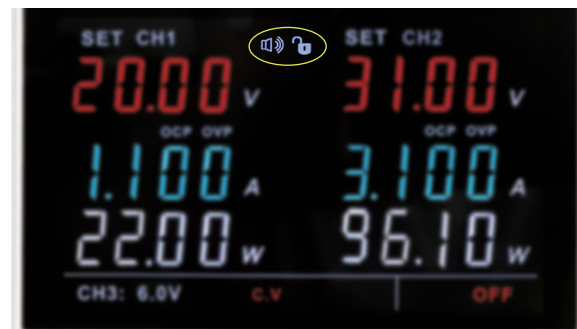
- Three independent controllable output of high precision power supply



- 5 sets of setup storage: M1-M5



- Over voltage and over current protection setting



- Keyboard lock and buzzer switch function

Technical Specifications		UDP3303A	UDP3303C
Output voltage (CH1/CH2)		0~30V	
Output current (CH1/CH2)		0~3A	
Output power		195W	
Load regulation		CV: <0.01%+3mV; CC:≤0.2%+3mA	
Power regulation		CV: <0.01%+3mV; CC:≤0.2%+3mA	
Programming resolution		Voltage: 10mV; Current: 1mA	
Recall resolution		Voltage: 10mV; Current: 1mA	
Programming accuracy (25°C±5°C)	Voltage	≤0.1%+30mV	≤0.1%+30mV
	Current	≤0.5%+2mA	≤0.5%+2mA
Ripple and noise (20Hz~20MHz)		Voltage: ≤1mVrms; Current: ≤3mA _{rms}	
Temperature coefficient		300ppm/°C	
Voltage rise/fall delay		≤100ms (10% rated load)	
Parallel load regulation	Voltage	≤0.01%+3mV(≤3A),≤0.02%+5mV(>3A)	
Series load regulation	Voltage	≤300mV	
CH3 output features	Voltage	1.8V/2.5V/3.3V/5V	
	Current	3A	
	Voltage accuracy	±8%	±3%
	Load regulation	≤15mV	
Standard interfaces		USB Host (5V/2A, charging port only), Digital I/O	USB Host (5V/2A, charging port only), USB Device, RS-232, Digital I/O
Power		AC 100V/120V/220V/230V±10%, 50Hz/60Hz	
Display		EBTN LCD	
Product net weight		8.5kg	
Product size (W×H×D)		240mm x 151mm x 327mm	
Standard quantity per carton		1pc	
Standard carton size		425mm x 335mm x 295mm	
Standard carton gross weight		10.5kg	

Ordering Information	
UDP3000C Series	UDP3303C: Programmable Linear DC Power Supply (3-Channel, 30V, 3A)
	UDP3303A: Linear DC Power Supply (3-Channel, 30V, 3A)
Standard Accessories	Power cord conforming to the standard of the destination country
	USB interface cable (UDP3303C)
	Alligator clip test line
Optional Accessories	RS-232 Communication lines (UDP3303C)

UDP1306C

Programmable Linear DC Power Supply



● UDP1306C

The UDP1306C is a single-channel programmable linear DC regulated power supply, which is a smaller and more reliable basic power product specially built for engineers. The Series has the characteristics of low ripple noise, fast transient response, good power and load regulation performance and so on, the output function is powerful and the protection function is complete.

- High precision 4-digit display
- Over voltage/current/temperature protection
- Output voltage/current setting viewable
- Shutdown memory/keyboard lock
- Intelligent cooling fan
- USB charging interface
- USB device communication, RS-232 program-controlled communication interface
- Remote control (output ON/OFF)
- 5 sets of setup storage: M1-M5



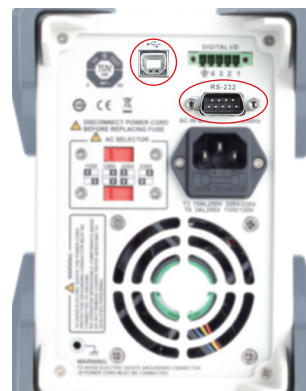
● Single output 32V/6A and USB charging interface 5V/2A



● 5 sets of setup storage: M1-M5



● Over voltage/current/temperature protection



● With RS-232 and USB communication interface function

Technical Specifications		UDP1306C
Output voltage		0~32V
Output current		0~6A
Output power		192W
Display mode		3-window, 4-digit voltage and current high precision display
Resolution	Voltage	10mV
	Current	1mA
Load regulation	Voltage	<0.01%+5mV
	Current	<0.1%+10mA
Power regulation	Voltage	<0.01%+3mV
	Current	<0.1%+3mA
Programming accuracy (25°C±5°C)	Voltage	<0.5%+20mV
	Current	<0.5%+10mA
Ripple and noise (20Hz~20MHz)	Voltage	≤2mVrms
	Current	≤3mA _{rms}
Temperature coefficient		Current/Voltage: ≤300ppm/°C
Voltage rising/falling time delay		≤100ms (10% rated load)
Standard interfaces		USB Host (5V/2A), USB Device, RS-232
Power		AC 100V/120V/220V/230V±10%, 50Hz/60Hz
Display		EBTN LCD
Product net weight		7.5kg
Product size (W×H×D)		136mm x 194mm x 327mm
Standard quantity per carton		1pc
Standard carton size		505mm x 270mm x 335mm
Standard carton gross weight		9.6kg

Ordering Information	
UDP1300C Series	UDP1306C: Programmable Linear DC Power Supply (1-Channel, 32V, 6A)
Standard Accessories	International standard power cord
	USB interface cable
	Alligator clip test line
Optional Accessories	RS-232 Communication line

UTP3300C Series

Programmable Linear DC Power Supplies



● UTP3305C

The UTP3300C Series Programmable DC Power Supplies are high precision 4-bit display devices with 3-way output, built with voltage and current overload protection, convenient operation panel, and one key storage recall.

The Series can be used in electronics circuit behavior test, and automated system test of different environments. The Series is suitable to use in education fields such as special trade schools, universities, colleges, and research labs.

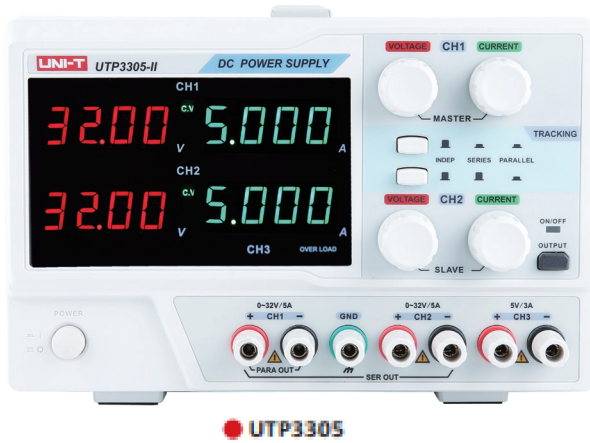
Technical Specifications		UTP3303C	UTP3305C
Output voltage		0~30V (CH1/CH2)	0~30V (CH1/CH2)
Output current		0~3A (CH1/CH2)	0~5A (CH1/CH2)
Output power		195W	315W
Load regulation	Voltage	≤0.01%+3mV	≤0.01%+5mV
	Current	≤0.1%+5mA	≤0.1%+10mA
Power regulation	Voltage	≤0.01%+3mV	≤0.01%+3mV
	Current	≤0.1%+3mA	≤0.1%+3mA
Output regulate resolution	Voltage	10mV	10mV
	Current	1mA	1mA
Programming 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	≤3mArms	≤3mArms
Output temperature	Voltage	≤150ppm	≤150ppm
Coefficient	Current	≤150ppm	≤150ppm
Voltage rising/falling time 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
Standard interfaces		USB Device, RS-232	
Power		AC 100V/120V/220V/230V±10%,50Hz/60Hz	
Display		4 windows,LED	
Product net weight		6.5kg	9.1kg
Product size (W×H×D)		260mm x 176mm x 317mm	
Standard quantity per carton		2pcs	
Standard carton size		450mm x 400mm x 630mm	
Standard carton gross weight		9kg	10kg

Ordering Information

UTP3300C Series	UTP3305C: Programmable Linear DC Power Supply (3-Channel,30V,5A)
	UTP3303C: Programmable Linear DC Power Supply (3-Channel,30V,3A)
Standard Accessories	International standard power cord
	2 test output lines

UTP3300 Series

Linear DC Power Supplies



The UTP3300 Series is three-channel linear DC power supplies of adjustable dual channel and fixed single-channel output, featuring tracking, constant voltage/current, series/parallel output, temperature controlled cooling fan.

- 3-channel linear DC power supplies feature
- High-precision four-digit voltage and current display, 10mV/1mA(UTP3300-II Series)
- Low ripple/noise
- Parallel/series output function
- Output on/off control

Technical Specifications	UTP3303	UTP3305	UTP3303-II	UTP3305-II
Output voltage CH1, CH2	0~32V	0~32V	0~32V	0~32V
CH3	5V	5V	5V	5V
Output current CH1, CH2	0~3A	0~5A	0~3A	0~5A
CH3	3A	3A	3A	3A
Output power	207W	335W	207W	335W
Load regulation	CV<0.01%+3mV,CC≤0.2%+3mA		CV<0.01%+3mV,CC≤0.2%+3mA	
Ripple and noise	CV≤1mVrms; CC≤3mArms		CV≤1mVrms; CC≤3mArms	
Output regulate resolution	CV: 100mV (typical), CC: 10mA (typical)		CV: 10mV (typical), CC: 1mA (typical)	
Tracking bias	0.5%+10mV		±(0.1% of reading+30mV) CC: ±(0.3% of reading+5mA) CC:±(0.3% of reading+10mA)	
Reliability	MTBF(e): ≥2000hrs		MTBF(e): ≥2000hrs	
Display mode	3-bit voltage and current dual display		4-bit voltage and current dual display	
Power	Input voltage: 115V AC/230V AC; Frequency: 47Hz~63Hz			
Display	4 windows,LED			
Product net weight	8.7kg	10kg	9.2kg	10.5kg
Product size (W×H×D)	260mm x 170mm x 315mm		319mm×146mm×226mm	
Standard quantity per carton	1pc			
Standard carton size	435mm x 340mm x 255mm		465mm×345mm×280mm	
Standard carton gross weight	10.1kg	12kg	9.7kg	11.1kg

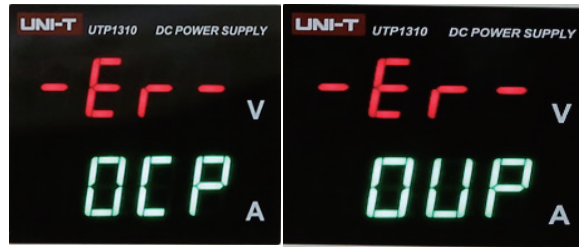
Ordering Information	
UTP3000-II Series	UTP3305-II: Linear DC Power Supply (3-Channel, 32V, 5A, 10mV, 1mA)
	UTP3303-II: Linear DC Power Supply (3-Channel, 32V, 3A, 10mV, 1mA)
UTP3000 Series	UTP3305: Linear DC Power Supply (3-Channel, 32V, 5A, 100mV, 10mA)
	UTP3303: Linear DC Power Supply (3-Channel, 32V, 3A, 100mV, 10mA)
Standard Accessories	Power cord conforming to the standard of the destination country
	Test output line

UTP1300 Series

Switching DC Power Supplies



The UTP1300 Series power supply is an economical switching type DC regulated power supply with single output. It has a pure output, excellent performance indicators, and can meet diverse testing needs. Used in product debugging and maintenance, quality control and testing, production automation testing, teaching experiments, etc...



- Overvoltage and overcurrent protection

Technical Specifications		UTP1306	UTP1310
Output voltage		0~32V	0~32V
Output current		0~6A	0~10A
Output power		192W	320W
Load regulation		CV≤0.1%+5mV; CC≤0.2%+3mA	
Power regulation		CV≤0.01%+5mV; CC≤0.2%+3mA	
Output regulate resolution		CV: 10mV (typical),CC: 1mA (typical)	
MTBF(e)		≥2000hrs	
Programming accuracy (25°C±5°C)	Voltage	≤0.1%+1digit	
	Current	≤0.2%+3mA	
Ripple and noise (20Hz~20MHz)	Voltage	≤10mVrms	
	Current	≤5mA	
Display mode		LED voltage and current dual display	
Power		Input voltage: 110V AC/220V AC, 50Hz~60Hz	
Display		4 digits LED	
Product net weight		2kg	2.5kg
Product size (W×H×D)		80mm x 150mm x 230mm	
Standard quantity per carton		6pcs	
Standard carton size		455mm x 295mm x 450mm	
Standard carton gross weight		12.3kg	16.2kg

Ordering Information	
UTP1300 Series	UTP1310: Switching DC Power Supply (1-Channel, 32V,10A)
	UTP1306: Switching DC Power Supply (1-Channel, 32V, 6A)
Standard Accessories	International standard power cord
	Alligator clip test line

UTP3300TFL-II Series

Linear DC Power Supplies



● UTP3315TFL-II

The UTP3000TFL-II Series is an economical linear DC power supply with excellent quality and excellent indicators, with intuitive four-bit LED voltage, current display, short circuit overload, reverse polarity protection and other functions. High stability and high reliability.

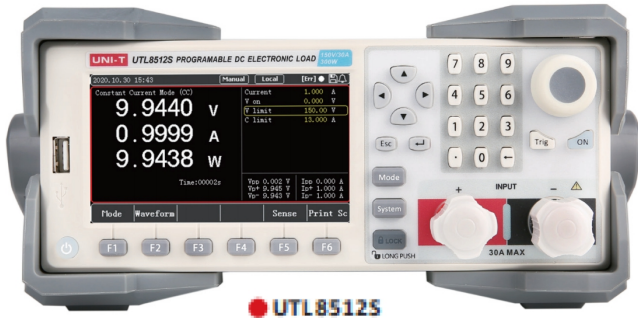
- Light weight and concise interface
- 1-channel linear DC power supplies feature
- High-precision 4-digit voltage and current display, 10mV/1mA
- Low ripple/noise
- Auto conversion of constant voltage and current with current limit protection

Technical Specifications		UTP3313TFL-II	UTP3315TFL-II
Output voltage		0~30V	0~30V
Output current		0~3A	0~5A
Output power		90W	150W
Load regulation		CV≤0.01%+3mV, CC≤0.1%+5mA	CV≤0.01%+5mV, CC≤.1%+10mA
Programming accuracy (25°C±5°C)	Voltage	<0.5%+20mV	<0.5%+20mV
	Current	<0.5%+5mA	<0.5%+10mA
Ripple and noise		≤1mVrms	≤2mVrms
Output regulate resolution		CV: 10mV (typical), CC: 1mA (typical)	
Reliability		MTBF(e): ≥2000hrs	
Display mode		LED voltage and current dual display	
Power		Input voltage: 110V/220V±5% AC, Frequency: 50Hz/60Hz	
Display		4 digits LED	
Product net weight		3kg	4kg
Product size (W×H×D)		105mm x 165mm x 249mm	
Standard quantity per carton		4pcs	
Standard carton size		330mm x 285mm x 460mm	
Standard carton gross weight		14kg	16kg

Ordering Information	
UTP3300TFL-II Series	UTP3315TFL-II: Linear DC Power Supply (1-Channel, 30V, 5A, 10mV, 1mA)
	UTP3313TFL-II: Linear DC Power Supply (1-Channel, 30V, 3A, 10mV, 1mA)
Standard Accessories	International standard power cord
	Alligator clip test line

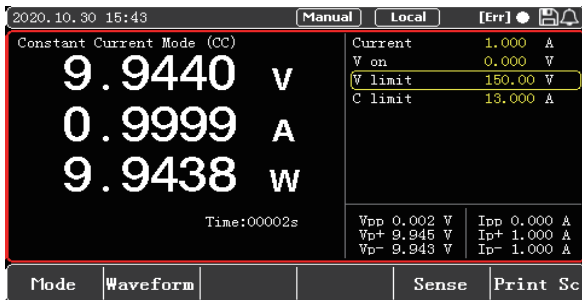
UTL8500X Series

Programmable DC Electronic Loads

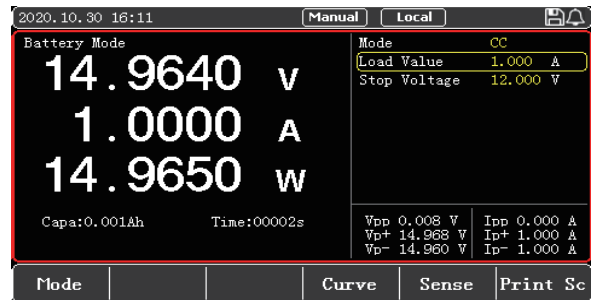


The UTL8500X Series Programmable DC Electronic Loads are equipped with 4.3-inch LCD screen, wide power range and up to 0.1mV/0.1mA resolution, support real-time waveform display and multiple test modes, such as dynamic test, overload test, auto test, list test, battery test, CR-LED test.

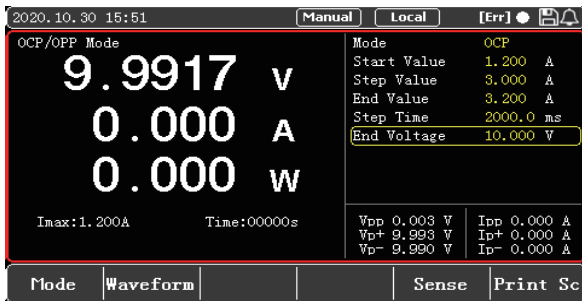
Application: power suppliers test of chargers, power source of switches, UPS power supplies, LED driver, mobile phone batteries and power banks and in areas of electronic performance test, new energy test, aerospace industries, high-power test, labs, R&D and production line, etc.



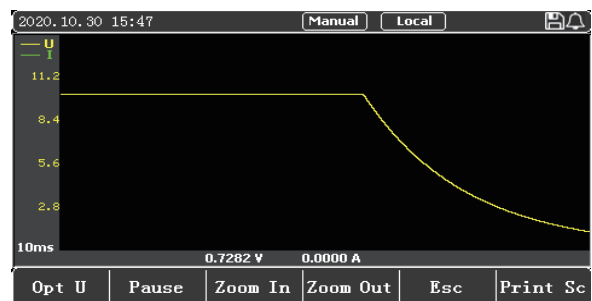
• 4 basic modes: CC/CV/CR/CP and high resolution of 0.1mV/0.1mA



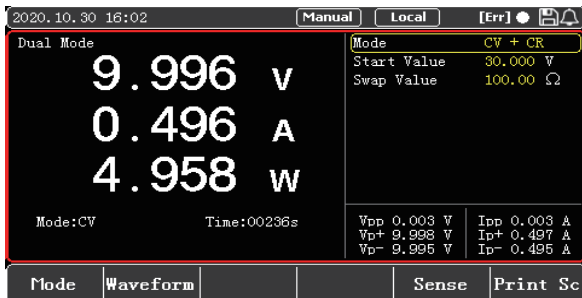
• Battery test function



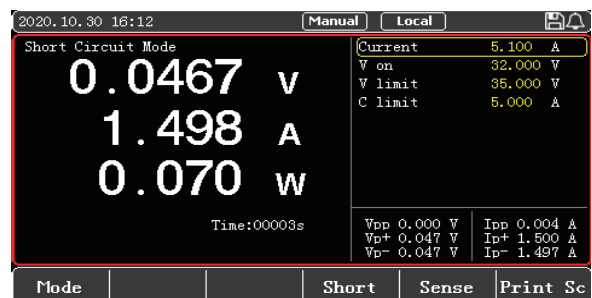
• Multiple protection test and ripple measurement functions



• Real-time waveform display function



• Three combination modes



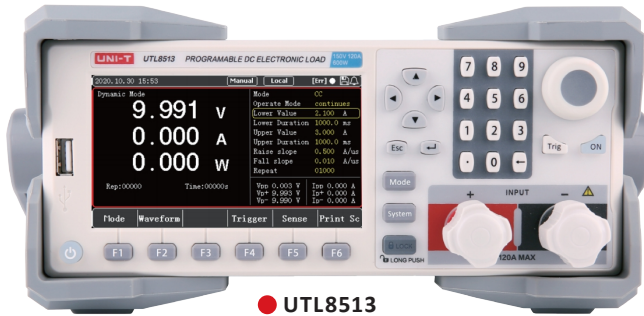
• Short circuit test

Technical Specifications		UTL8511S	UTL8512S
Input ratings (0~40°C)	Input voltage	0~150V	
	Input current	0~3A, 0~30A	
	Resolution	0.1mV, 0.1mA	
	Input power	150W	300W
	Min. operating voltage	1.4V at 30A	
CV mode	Range	0~18V, 0~150V	
	Accuracy	±(0.05%+0.025%FS)	
CC mode	Range	0~3A, 0~30A	
	Accuracy	±(0.05%+0.05%FS)	
CR mode	Range	0.05Ω~7.5KΩ	
	Accuracy	0.1%+0.08S	
CP mode	Range	150W	300W
	Accuracy	±(0.1%+0.1%FS)	
Dynamic mode (CC mode)	T1&T2	50μS~99.999S/Res:1μS	
	Accuracy	5μS±100ppm	
	Rise/fall slope	0.001~3.0A/us	
	Min rise time	≥10us	
Readback voltage	Range	0~18V, 0~150V	
	Accuracy	±(0.025%+0.025%FS)	
Readback current	Range	0~3A, 0~30A	
	Accuracy	±(0.025%+0.05%FS)	
Readback power	Range	150W	300W
	Accuracy	±(0.1%+0.1%FS)	
Ripple wave measurement	Range	0-0.3V, 0-9V	
	Accuracy	0.1%+2mV, 0.1%+10mV	
OPP	Delay protection when it is ≥ set value x 1.05		
	Instant protection when it is ≥ set value x 1.1		
	Instant protection when it is >(FS+15W)		
OCP	Delay protection when it is ≥ set value x 1.05		
	Instant protection when it is ≥ set value x 1.1		
	Instant protection when it is >(FS+1.5A)		
OVP	Delay protection when it is ≥ set value x 1.05		
	Instant protection when it is ≥ set value x 1.1		
	Instant protection when it is >(FS+3V)		
OTP	≥85°C		
Short circuit	Current (CC)	≤3A, ≤30A	
	Voltage (CV)	0V	
	Resistance (CR)	35mΩ	
Input resistance	300KΩ		
Power	110V/220V, 50/60Hz		
Display	LCD		
Product net weight	5.3kg		
Product size (W×H×D)	214mm x 88mm x 340mm		
Standard quantity per carton	2pcs		
Standard carton size	410mm x 310mm x 490mm		
Standard carton gross weight	13.5kg		

Ordering Information	
UTL8500X Series	UT8512S: Programmable DC Electronic Load (150V,30A,300W)
	UT8511S: Programmable DC Electronic Load (150V,30A,150W)
Standard Accessories	Power cord conforming to the standard of the destination country
	250V, 0.25A fuse x 2 (only for 110V input voltage)

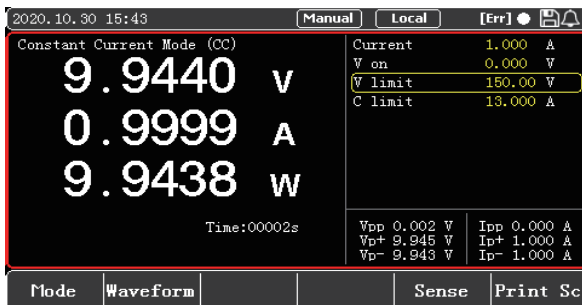
UTL8500 Series

Programmable DC Electronic Loads

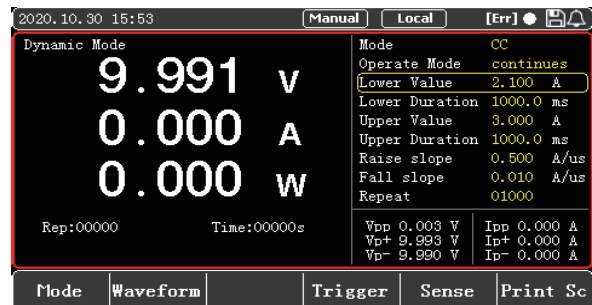


The UTL8500 Series is a cost-effective programmable DC electronic load series with high performance. With a resolution of 0.1mV and 0.1mA, multiple protection mechanisms significantly improve the reliability of the equipment. The Series has a variety of testing functions and modes, equipped with RS-232 communication interface, and can be equipped with other communication interfaces according to design and testing requirements. The Series provides a flexible, fast and effective solution. Meet different customers' needs from Education, Scientific Research and Manufacturing.

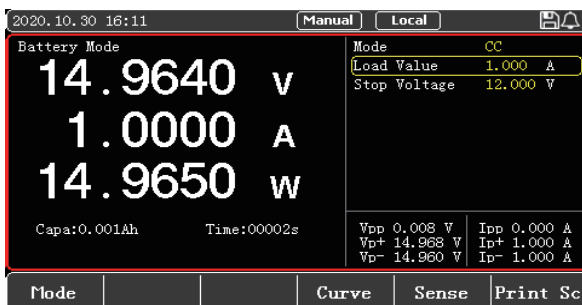
- High resolution: 0.1mV/0.1mA
- 4 basic modes: CC/CV/CR/CP
- Measuring range: voltage of 0~150V/500V, current of 0~15A/30A-40A/120A, power of 150W-600W
- Dynamic test, overload test, auto test, list test, battery test, CR-LED test
- Protections of over-voltage/under-voltage/over-current/over-power/overheat/anti-reverse connection
- List function and over-voltage protection
- Screenshot function with list storage & recall
- Equipped with standard RS-232 interface and support more extension interfaces



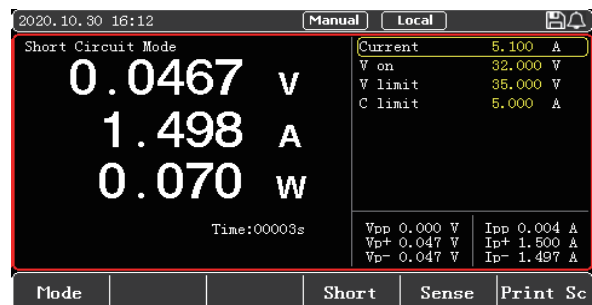
- 4 basic modes: CC/CV/CR/CP and high resolution of 0.1mV/0.1mA



- Dynamic mode test



- Battery test function



- Short circuit test

Technical Specifications		UTL8511	UTL8512	UTL8512B+	UTL8513	
Input ratings (0~40°C)	Input voltage	0~150V	0~150V	0~500V	0~150V	
	Input current	0~3A,0~30A	0~3A,0~30A	0~1.5A	0~15A	0~12A, 0~120A
	Input power	150W	300W	300W	600W	
	Min. operating voltage	1.4V at 30A	1.4V at 30A	3V at 15A	2.8V at 120A	
	CV mode	Range	0~18V,0~150V		0~50V	0~500V
	Accuracy	±(0.05%+0.025%FS)				
CC mode	Range	0~3A,0~30A		0~1.5A	0~15A	0~12A, 0~120A
	Accuracy	±(0.05%+0.05%FS)				
CR mode	Range	0.05Ω~7.5KΩ		0.1Ω~25KΩ		0.05Ω~7.5KΩ
	Accuracy	0.1%+0.08S				
CP mode	Range	150W	300W	300W	600W	
	Accuracy	±(0.1%+0.1%FS)				
Dynamic mode (CC mode)	T1&T2	50μs~99.999S/Res: 1μs				
	Accuracy	5μs±100ppm				
	Rise/fall slope	0.001~3.0A/μs		0.001~1.5A/μs		
	Min rise time	≥10μs				
Readback voltage	Range	0~18V, 0~150V		0~50V	0~500V	0~18V, 0~150V
	Accuracy	±(0.025%+0.025%FS)				
Readback current	Range	0~3A,0~30A		0~3A	0~15A	0~12A, 0~120A
	Accuracy	0.025%+0.05%FS		0.01mA,0.1mA		
Readback power	Range	150W	300W	300W	600W	
	Accuracy	±(0.1%+0.1%FS)				
Over-power protection	Delay protection when it is ≥ set value x 1.05					
	Instant protection when it is ≥ set value x 1.1					
	Instant protection when it is >(FS+15W)					
Over-current protection	Delay protection when it is ≥ set value x 1.05					
	Instant protection when it is ≥ set value x 1.1					
	Instant protection when it is >(FS+1.5A)					
Over-voltage protection	Delay protection when it is ≥ set value x 1.05					
	Instant protection when it is ≥ set value x 1.1					
	Instant protection when it is >(FS+3V)					
Over-temperature protection	≥85°C					
Short circuit	Current (CC)	≤3A, ≤30A		≤1.5A	≤15A	≤12A, ≤120A
	Voltage (CV)	0V				
	Resistance	35mΩ				
Input terminal resistance	300KΩ			1MΩ	300KΩ	
Power	110V/220V, 50/60Hz					
Display	4.3 inches LCD					
Product net weight	UTL8511/UTL8512/UTL8512B+: 5.3kg; UTL8513: 7.6kg					
Product size (W×H×D)	UTL8511/UTL8512/UTL8512B+: 214mm x 88mm x 340mm; UTL8513: 214mm x 88mm x 520mm					
Standard quantity per carton	2pcs					
Standard carton size	UTL8511/UTL8512/UTL8512B+: 410mm x 310mm x 490mm; UTL8513: 410mm x 310mm x 570mm					
Standard carton gross weight	UTL8511/UTL8512/UTL8512B+: 11.6kg; UTL8513: 16.2kg					

Ordering Information	
UTL8500 Series	UTL8513: Programmable DC Electronic Load (150V, 120A,600W)
	UTL8512B+: Programmable DC Electronic Load (500V, 15A,300W)
	UTL8512: Programmable DC Electronic Load (150V, 30A,300W)
	UTL8511: Programmable DC Electronic Load (150V, 30A,150W)
Standard Accessories	Power cord conforming to the standard of the destination country
	240V, 0.25A fuse (only for 110V input voltage)
	Factory qualified report (Suitable for UTL8512B+ and UTL8513)

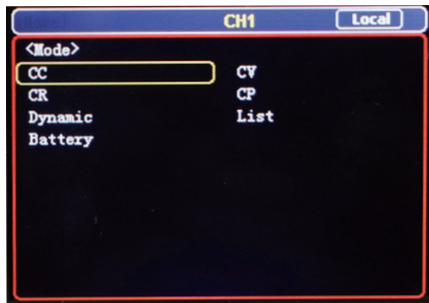
UTL8200 Series

DC Electronic Loads

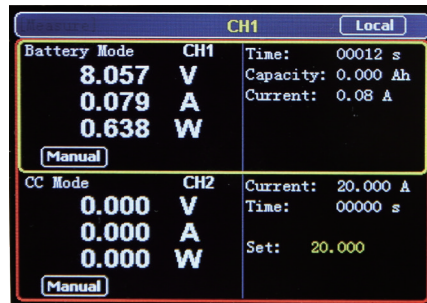


The UTL8200 Series is designed for users requiring a DC load with a compact form factor which is widely used in basic applications such as product production line and maintenance. Small size, easy operation, rich testing functions and modes, support for dual-channel independent testing, the standard RS-232 interfaces for remote communication to meet your diversified test requirements, easy to connect seamlessly with automatic production line and automatic test system (ATS). With a wide range of power measurement, voltage and current measurement speed up to 40kHz, test resolution up to 1mV/1mA, the UTL8200 series is a cost-effective DC load with performance specifications that rival any instrument in its class.

- 4 basic modes: CC/CV/CR/CP
- High resolution: 1mV/1mA
- Up to 40kHz voltage and current testing speed
- Multi-mode battery discharging test
- List mode supports auto test
- Independent short-circuit test
- Protections of over-voltage/under-voltage/over-current/over-power/over-temperature/anti-reverse connection
- Standard RS-232C interface, SCPI protocol is supported



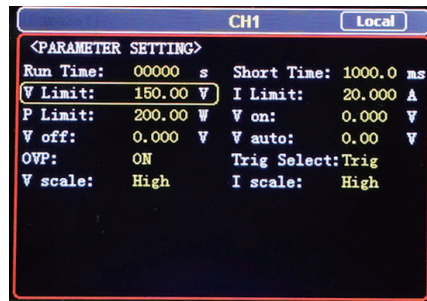
- Built-in 7 test modes



- Battery discharge test



- List test mode



- Multiple protection functions

Technical Specifications		UTL8211	UTL8212
Number of channel		Single channel	Dual channels
Input ratings (0~40°C)	Voltage	0~150V	0~150V
	Current	0~4A, 0~40A	0~2A, 0~20A
	Power	400W	2×200W
CV mode	Range	0~18V, 0~150V	
	Accuracy	±(0.05%+0.1% FS)	
CC mode	Range	0~4A, 0~40A	0~2A, 0~20A
	Accuracy	± (0.05% + 0.05%FS)	
CR mode	Range	0.05Ω~7.5KΩ	
	Accuracy	0.1% + 0.5%FS	
CP mode	Range	400W	200W
	Accuracy	0.1% + 0.5%FS	
Dynamic Current			
Dynamic mode	T1&T2	100μS~3600S	
	Accuracy	5μS±100ppm	
	Slope	0.001~0.15 A/μS	
Readback voltage	Range	0~18V, 0~150V	
	Accuracy	± (0.05% + 0.1%FS)	
Readback current	Range	0~4A, 0~40A	0~2A, 0~20A
	Accuracy	± (0.05% + 0.1%FS)	
Readback power	Range	400W	200W
	Accuracy	± (0.1% + 0.5%FS)	
Basic Protection			
Over-power protection	Set value×1.01,delay protection,max 404W		Set value×1.01,delay protection, max 202W
	Set value×1.1,instant protection,max 440W		Set value×1.1,instant protection, max 220W
Over-current protection	Set value×1.01,delay protection,max 40.4A		Set value×1.01,delay protection, max 20.2A
	Set value×1.1,instant protection, max 44A		Set value×1.1,instant protection,max 22A
Over-voltage protection	≥152V delay protection, ≥165V instant protection		
Over-temperature protection	≥95°C		
Resolution	1mV/1mA		
Basic mode	CC/CV/CR/CP		
Test mode	Dynamic mode, list mode, battery test		
Protections	Protections of over-voltage/under-voltage/over-current/over-power/over-temperature/anti-reverse connection		
System setup	Language: Chinese/English, key tone setting		
Data storage	60 sets of data memory		
Interface & protocol	RS-232 interface and SCPI protocol		
PC software	√		
Power	110V/220V, 50/60Hz		
Display	2.8 inches LCD		
Product net weight	3.6kg		
Product size (W×H×D)	300mm x 88mm x 174mm		
Standard quantity per carton	4pcs		
Standard carton size	360mm x 170mm x 280mm		
Standard carton gross weight	20kg		

Ordering Information	
UTL8200 Series	UTL8212: DC electronic load (2-Channel, 20A,200W)
	UTL8211: DC electronic load (1-Channel, 40A,400W)
Standard Accessories	International standard power cord
	250V/0.5A fuse (Only suitable for 110V input voltage)

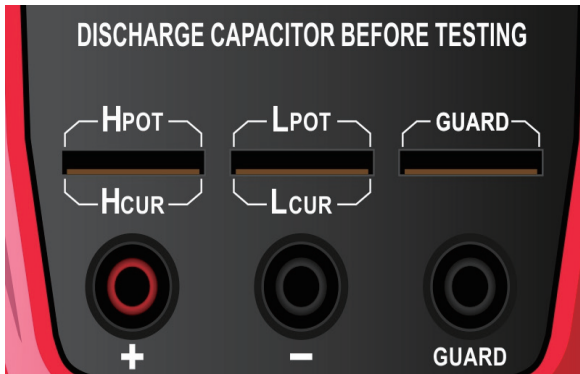
UT622 Series

Handheld LCR Meters



The UT622 Series Handheld LCR meters feature powerful functions, high accuracy, fast speed, and long standby time. With a clear and intuitive 2.8-inch TFT LCD display, large-capacity rechargeable battery, and up to 100kHz test frequency, the meters can be used for longstanding accurate and convenient measurement in any occasion. They are suitable for the measurement and screening of inductance, capacitance, and resistance in laboratories, production lines, maintenance points etc.

- Up to 100kHz test frequency
- Up to 0.1% measurement accuracy
- High-brightness white backlight
- Max reading of primary parameters:99999 counts; D/Q resolution: 0.0001
- Ultra-low power consumption and long battery life (8 hours)
- Maximum test speed: 20 times/s (UT622E)
- Constant 100Ω output impedance
- Tolerance range: 1%~20%
- Open/short circuit clear function
- Data hold and recording mode
- Standard Mini-USB interface,SCPI command set



• 3-terminal and 5-terminal test ports



• L/C/R/Z main parameter component test



• Tolerance mode used for component sorting



• Recording mode used for statistics

Technical Specifications	UT622A	UT622C	UT622E
Test frequency	100Hz,120Hz,1kHz,10kHz	100Hz,120Hz,1kHz,10kHz, 100kHz	100Hz,120Hz,1kHz,10kHz, 100kHz
Test signal level	0.1Vrms,0.3Vrms,1Vrms		
Output impedance	100Ω		
Measurement parameters	Primary: L/C/R/Z Secondary: D/Q/θ/ESR	Primary: L/C/R/Z Secondary: D/Q/θ/ESR	Primary: L/C/R/Z/DCR Secondary: D/Q/θ/ESR
Auto LCR	√		
Test terminals	Three-terminal test jacks, five-terminal test sockets		
Test rate	Fast (20 times/s),medium (5 times/s),or slow (2 times/s)		
DCR test rate (UT622E only)	Fast (20 times/s),medium (5 times/s),or slow (2 times/s)		
Ranging mode	Auto/hold		
Tolerance range	1%~20%		
Testing circuit mode	Series/parallel mode		
Clearing correction	Open/short circuit		
Communication interface	Mini-USB		
LED alarm for tolerance	pass: green; fail: red		
Basic Protection			
Display count	99999		
Minimum resolution	0.0001		
Maximum accuracy	0.1%		
L	0.001μH~99.999H		
C	0.001pF~99.999mF		
Z/R	0.0001Ω~9.9999MΩ		
ESR	0.01mΩ~999.99Ω		
D	0.0001~9.9999		
Q	0.0001~99999		
θ	-179.9°~179.9°		
DCR	--	--	0.01mΩ~999.99kΩ
Power	3.7V 1800mAh lithium polymer battery		
Display	2.8 inches TFT LCD 320X240		
Product net weight	305g		
Product size (W×H×D)	90mm×190mm×44mm		
Standard quantity per carton	5pcs		
Standard carton size	335mm x 245mm x 245mm		
Standard carton gross weight	3.9kg		

Ordering Information	
UT622 Series	UT622E: Handheld LCR Meters (100kHz, 0.1%, DCR)
	UT622C: Handheld LCR Meters (100kHz, 0.1%)
	UT622A: Handheld LCR Meters (10kHz, 0.1%)
Standard Accessories	UTR-001: Short circuit board
	UTR-002: Alligator clip test leads with rubber plugs (UT622A)
	UTR-L100k-H: Four-terminal Kelvin test leads (UT622C/E)
	USB interface cable
	5V/1A power adapter
Optional Accessories	UTR-L100kS-H: SMD Kelvin test tweezers
	UTR-L100k-H: Four-terminal Kelvin test leads
	UTR-002: Alligator clip test leads with rubber plugs

UT3510 Series

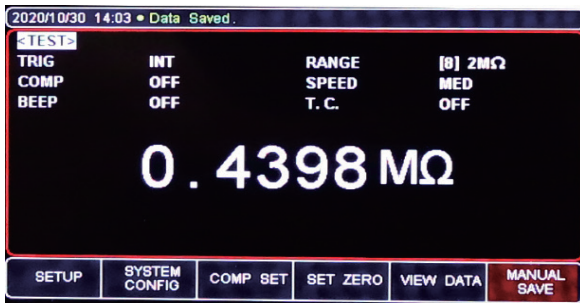
Micro Ohm Meters



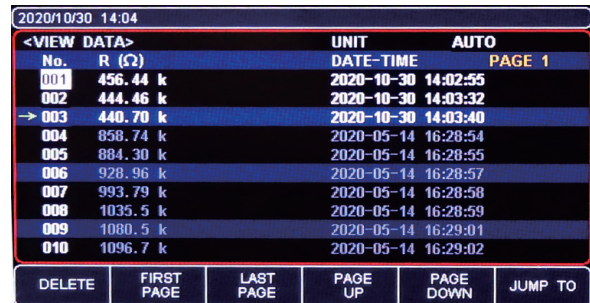
● UT3513

The UT3510 Series Micro Ohm Meters contain 2 models: UT3513 and UT3516, which can be used in professional sorting function, and can judge HI/IN/LO for resistance. The result can be displayed on screen, indicated by buzzer and external I/O output. With enhanced PC remote-control instruction set and compatible with SCPI, the instrument can efficiently process remote-control and data collection function.

- Maximum reading: 22000
- Range mode: Auto/Manual
- Short-circuit full range zeroing calibration
- Sorting functions: 3 types of resistance and voltage input: exceeds upper limit/exceeds lower limit/within the range, 2 types of sorting result output: PASS/FAIL
- Comparing method: absolute tolerance, percentage tolerance, direct-reading comparison
- Button functions: Lock -- keyboard lock, OK -- screenshot
- Interfaces and protocol: handler interface, RS-232, USB Device and USB Host communication interface, SCPI and Modbus protocol



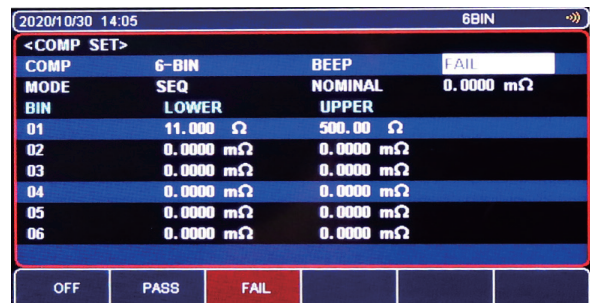
- Automatic, manual, nominal range switching test



- File management, saving and browsing data



- Three test speeds can be selected Rapid: 60 times/s



- Comparator function buzzer selection method

Technical Specifications	UT3513	UT3516
Resistance range	20mΩ/200mΩ/2Ω/20Ω/200Ω/2kΩ/20kΩ	20mΩ/200mΩ/2Ω/20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ
Resolution	1μΩ/10μΩ/100μΩ/1mΩ/10mΩ/100mΩ/1Ω/10Ω/100Ω	
Test current	1A/1A/100mA/10mA/1mA/1mA/100μA/10μA/1μA	
Testing terminal open-circuit voltage	<1V/<1V/<1V/<1V/<5V/<5V/<5V/<3V	
Measured parameter	DC resistance	
Basic accuracy	Slow: 0.1%,Medium: 0.2%	Slow: 0.05%,Medium: 0.1%,Rapid: 0.5%
Maximum reading	22000	
Range mode	Auto/manual/nominal	
Speed	Slow: 3 times/s,Medium: 18 times/s,Rapid: 60times/s(Only for UT3516)	
Calibration	Short-circuit full range zeroing	
Sorting function	3 types of resistance and voltage input: exceeds upper limit/exceeds lower limit/within the range, 2 types of sorting result output: PASS/FAIL	
Comparing method	Absolute tolerance,percentage tolerance,direct-reading comparison	
Trigger mode	Internal, external	
Test terminal	Four-terminal measurement	
Button functions	Lock -keyboard lock, OK -screenshot	
System setup	Language: Chinese/English, key tone setting	
Interfaces & protocols	Handler interface,RS-232,USB Device and USB Host communication interface, SCPI and Modbus protocol	
PC software	√	
Power	AC 100~240V, 50/60Hz	
Display	4.3 inches LCD	
Product net weight	3kg	
Product size (W×H×D)	214mm x 89mm x 340mm	
Standard quantity per carton	2pcs	
Standard carton size	420mm x 360mm x 405mm	
Standard carton gross weight	8.5kg	

Ordering Information	
UT3510 Series	UT3516: DC Resistance Tester (2MΩ, accuracy: 0.05%)
	UT3513: DC Resistance Tester (20kΩ, accuracy: 0.1%)
Standard Accessories	International standard power cord
	UT-L82: Kelvin test lead x1
	Temperature compensation line (only for UT3513)
	Factory calibration report x1
Optional Accessories	Temperature compensation line

UT3560 Series Battery Testers



The UT3560 Series Battery Testers contain 2 models: UT3562 and UT3563, which are used to detect the battery internal resistance, include battery module test, battery R&D measurement, high-voltage battery set test, and high-speed assembly line tests of lithium battery, lead-acid battery and button battery.

- 31,000-count AC resistance reading, 606,000-count DC voltage reading
- Resistance: 0.0001mΩ~3.2kΩ
- Voltage: 0.00001V~400.000V DC
- Manual range, automatic range switching function
- 0.5% resistance accuracy, 0.01% high precision voltage accuracy
- Handler, RS-232, USB Device interfaces, SCPI and Modbus protocol
- With recording and statistics functions, up to 10,000 sets of data can be calculated
- 4.3 inches large screen LCD display



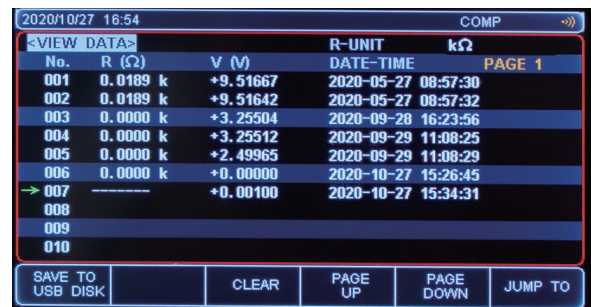
- 5 Resistance readings, 6 voltage readings, high precision and high resolution accuracy



- Can set the impedance and voltage upper and lower limit comparison function



- Manual range, automatic range switching function



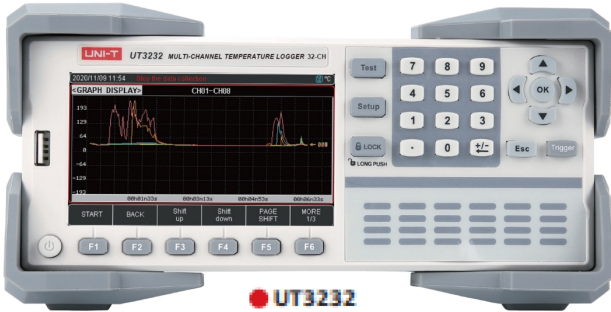
- The instrument has record and statistical file management functions

Technical Specifications	UT3562	UT3563
Voltage range	6V/60V/100V	6V/60V/100V/400V
Resolution	Resistance: 0.1 $\mu\Omega$, Voltage: 10 μ V	
Speed	Slow/Medium/Rapid/High-speed	
Resistance range	3m Ω /30m Ω /300m Ω /3 Ω /30 Ω /300 Ω /3k Ω	
Temperature coefficient	Voltage: (\pm 0.001%rdg. \pm 0.3dgt)/ $^{\circ}$ C; Resistance: (\pm 0.05%rdg. \pm 0.5dgt)/ $^{\circ}$ C	
Basic accuracy	Resistance: 0.5%, Voltage: 0.01%	
Range mode	Auto and manual (resistance and voltage)	
Maximum reading	Resistance: 31,000, Voltage: 606,000	
Calibration	Short-circuit full range zeroing	
Sorting function	3 types of resistance and voltage input: exceeds upper limit/exceeds lower limit/within the range, 2 types of sorting result output: PASS/FAIL	
Beeper	OFF, PASS, FAIL	
Comparing method	Absolute tolerance, percentage tolerance, direct-reading comparison	
Button functions	Lock -keyboard lock, Print Sc -screenshot	
System setup	Language: Chinese/English, key tone setting	
Storage	FAT storage function (supports USB disk storage, mobile hard disk drive is not supported)	
Interfaces & protocols	Handler interface, RS-232 and USB communication interface, SCPI and Modbus protocol	
PC software	v	
Power	AC 100~240V,50/60Hz	
Display	4.3 inches LCD	
Product size (W×H×D)	340mm x 214mm x 89mm	
Product net weight	2.6kg	
Standard quantity per carton	2pcs	
Standard carton size	420mm x 360mm x 405mm	
Standard carton gross weight	8.6kg	

Ordering Information	
UT3560 Series	UT3563: Battery internal resistance tester (400V,3.2k Ω)
	UT3562: Battery internal resistance tester (100V,3.2k Ω)
Standard Accessories	International standard power cord
	UT-L82: Kelvin test lead x1
	UT-L80: Crowd test lead x1
Optional Accessories	UT-L81: alligator clip test lead

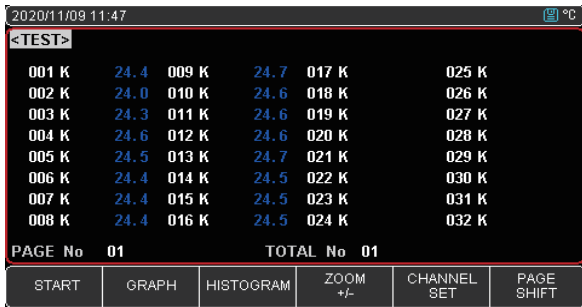
UT3200 Series

Multi-channel Temperature Loggers

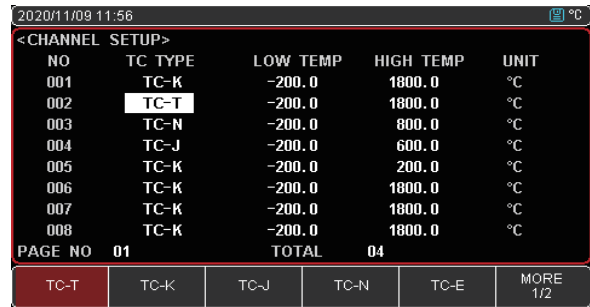


The UT3200 Series Multi-channel Temperature Loggers contain 4 models: UT3208, UT3216, UT3224 and UT3232, which corresponds with thermocouple testing channels of 8, 16, 24 and 32. With 4.3-inch LCD screen, this Series is compatible with multiple temperature sensors, can collect multichannel temperature data simultaneously. The UT3200 Series has advantages of upper/lower limit alarm, fast response, stable data transmission and thermocouple short-circuit detection.

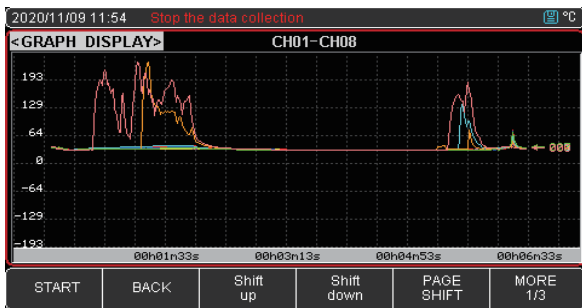
- 4.3-inches LCD screen
- Thermocouple short-circuit automatic detection
- Upper/lower temperature limit alarm settable for each channel
- Specified channel scanning
- Standard RS-232C and USB Device interface, SCPI protocol is supported
- Visual numerical reading, bar chart and curvilinear graph
- Standard USB Host interface, 8G U-disk, USB data storage is supported



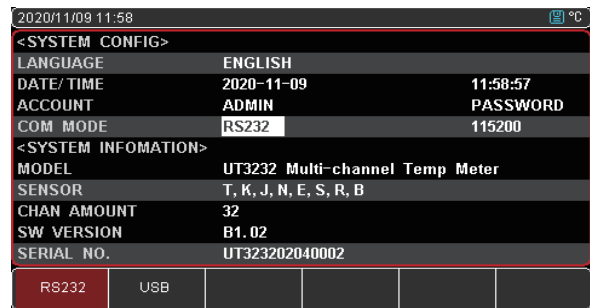
- 32 test channels, 4.3 inches LCD display



- It has a wide range of adaptability and supports K/N/E/J/T/R/S/B thermocouples



- Visual numerical reading, bar chart and curvilinear graph



- File management, Standard RS-232C and USB Device interface, SCPI protocol is supported

Technical Specifications	UT3208	UT3216	UT3224	UT3232
Display mode	Visual numerical reading, bar chart and curvilinear graph			
Index No.	Thermocouple: J,K,T,E,S,N,B,R			
Measuring range	-200.0°C~1800.0°C (varies with different thermocouple)			
Resolution	0.1°C			
Number of channel	8	16	24	32
Scanning speed	Fast, slow			
Sorting function	Build-in data sorting, can set upper/lower temperature limit alarm for each channel			
Alarm function	Upper/lower temperature limit alarm			
User calibration	User calibration of each channel is allowed			
Button functions	Lock -keyboard lock, Print Sc -screenshot			
System setup	Language: Chinese/English, key tone setting			
Storage	FAT storage function (supports USB disk storage, mobile hard disk drive is not supported)			
Interface & protocol	RS-232 and USB communication interface, SCPI protocol			
Upper computer software	√			
Display mode	Test temperature range			Accuracy
T-type Thermocouple	-150°C-0°C, 0°C-400°C			±1.0°C, ±0.8°C
K-type Thermocouple	-100°C-0°C, 0°C-1350°C			±1.2°C, ±0.8°C
J-type Thermocouple	-100°C-0°C, 0°C-1200°C			±1.0°C, ±0.7°C
N-type Thermocouple	-100°C-0°C, 0°C-1300°C			±1.5°C, ±0.9°C
E-type Thermocouple	-100°C-0°C, 0°C-850°C			±0.9°C, ±0.7°C
S-type Thermocouple	-100°C-0°C, 100°C-300°C, 300°C-1750°C			±4.5°C, ±3.0°C, ±2.2°C
R-type Thermocouple	0°C-100°C, 100°C-300°C, 300°C-1750°C			±4.5°C, ±3.0°C, ±2.2°C
B-type Thermocouple	600°C-800°C, 800°C-1000°C, 1000°C-1800°C			±5.5°C, ±3.8°C, ±2.5°C
Power	AC 100~240V 50/60Hz			
Display	4.3-inch LCD screen			
Product net weight	3.5kg			
Product size (W×H×D)	340mm X 214mm X 89mm			
Standard quantity per carton	2pcs			
Standard carton size	400mm X 340mm X 185mm			
Standard carton gross weight	9kg			

Ordering Information	
UT3200 Series	UT3232: multichannel thermometers(32 channels)
	UT3224: multichannel thermometers(24 channels)
	UT3216: multichannel thermometers (16 channels)
	UT3208: multichannel thermometers(8 channels)
Standard Accessories	Power cord conforming to the standard of the destination country
	USB interface cable x1
	8G U-disk x1
	Channel identifier x1
	(UT3208/16/24/32 correspond to 1/2/3/4 set of test lead)
	K-type test lead temperature range: -100~200°C
	UT-T21M: K-type thermocouple test lead module
Optional Accessories	Thermocouple sensor: T,J,Z,N,S,E,B,R,and many more

UT-H/UT-P SERIES

Probes



UT-H01 Passive probe 25MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 25MHz
- Input resistance: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x: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: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x: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: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Application: UTD1000C, UTD1000L Series (only for handheld type)
- Amount: 1pc



UT-H05 Passive probe 200MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 200MHz
- Input resistance: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Application: UTD1000C, UTD1000L Series (only for handheld type)
- Amount: 1pc



UT-P01 Passive probe 25MHz

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



UT-P03 Passive probe 60MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 60MHz
- Input resistance: 1x: 1MΩ±2%, 10x: 10MΩ±2%
- Working voltage: 1x: 300Vpp, 10x: 600Vpp
- Application: UTD2052CL, UTD2052CEX, UTD2062CM
- Amount: 1pc



UT-P04 Passive probe 100MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 100MHz
- Input resistance: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Application: UPO2000E Series, UTD2000CEX Series, UTD2000M Series
- Amount: 1pc



UT-P05 Passive probe 200MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 200MHz
- Input resistance: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Application: MSO3152/4E, UPO3152/4E, UTD2202CM, UTD2202CEX+, UTD2152CL
- Amount: 1pc



UT-P06 Passive probe 300MHz

- Probe factor: (1:1/10:1)
- Bandwidth: 300MHz
- Input resistance: 1x:1MΩ±2%, 10x:10MΩ±2%
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Application: MSO3252/4E, UPO3252/4E
- Amount: 1pc



UT-P07 Passive probe 500MHz

- Probe factor: 10:1
- Bandwidth: 500MHz
- Input resistance: 10MΩ
- Working voltage: 1x:300Vpp, 10x:600Vpp
- Amount: 1pc

UT-V/UT-P SERIES

Probes



UT-V23 100:1 High voltage probe

- Probe factor: 100:1
- Bandwidth: 100MHz
- Input resistance: $10M\Omega \pm 2\%$
- Working voltage: 2000Vpp
- Application: used for all oscilloscopes 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 oscilloscopes series
- Amount: 1pc



UT-P31 High voltage differential probe 100MHz 1.5kV

- Bandwidth: 100MHz
- Attenuation ratio: 100:1/10:1
- Input differential voltage: $\pm 1.5kVpp$
- Application: used for all oscilloscopes series
- Amount: 1pc



UT-P33 Differential probe 120MHz 14kV

- Bandwidth: 120MHz
- Attenuation ratio : 100:1/10:1
- Input differential voltage: $\pm 14kVpp$
- Application: used for all oscilloscopes series
- 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 oscilloscopes series
- Amount: 1pc



UT-P20 Passive probe 250MHz 1500V

- Bandwidth: 250MHz
- Attenuation: 100:1
- Maximum working voltage: 1500Vrms
- Application: used for all oscilloscopes series
- Amount: 1pc



UT-P30 Differential probe 100MHz 800V

- Bandwidth: 100MHz
- Attenuation ratio: 100:1/10:1
- Input differential voltage: $\pm 800Vpp$
- Application: used for all oscilloscopes series
- Amount: 1pc



UT-P32 Differential probe 50MHz 3kV

- Bandwidth: 50MHz
- Attenuation ratio : 1000:1/100:1
- Input differential voltage: $\pm 3kVpp$
- Application: used for all oscilloscopes series
- 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 oscilloscopes series
- Amount: 1pc

UT-D/UT-M SERIES

Data Cable/Converter



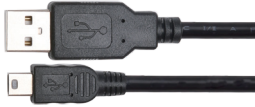
UT-D14 USB 2.0 dual-head printer line

- Wire length: 1.5m
- Suitable products: UTD2000 Series, UPO2000E Series, 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: UTD1000L Series
- Amount: 1pc



UT-M03 Voltage/current converter

- Range: 4mA/6mA, 40mA/60mA, 400mA/600mA
- Suitable products: UTD1000C Series
- Amount: 1pc



UT-M04 Voltage/current converter

- Range: 4A/6A
- Suitable products: UTD1000C Series
- Amount: 1pc



UT-M07 10A current diverter

- Range: 10A
- Suitable products: UTD1025CL, UTD1050CL
- Amount: 1pc



UT-M08 Lithium battery subassembly

- Output voltage: 7.4V
- Capacity: 3600mAh
- Suitable products: UTD1000L Series
- Amount: 1pc



UT-M10 Voltage/current converter

- Range: μ A, 40mA, 400mA
- Suitable products: UTD1025DL, UTD1050DL
- Amount: 1pc



UT-L45 BNC-BNC through leads

- Material: 50 Ω coaxial cable
- Length: 1000mm
- Features and application: dual-head BNC interface, used for UTG9000T, UTG4000A, UTG2000B, UTG2000A, UTG1000A, UTG9000C-II, UTG900E Series
- Amount: 1pc



UT-U02 Digital protocol cable

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

Notes

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Notes

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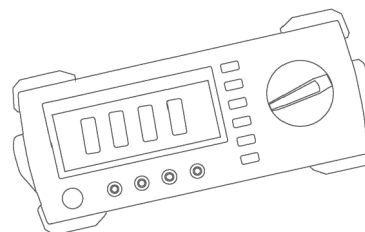
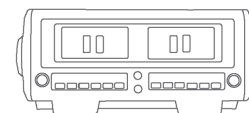
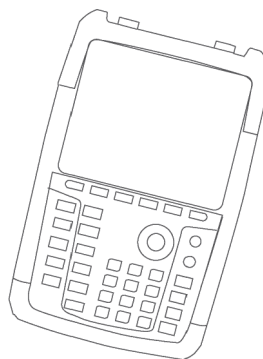
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