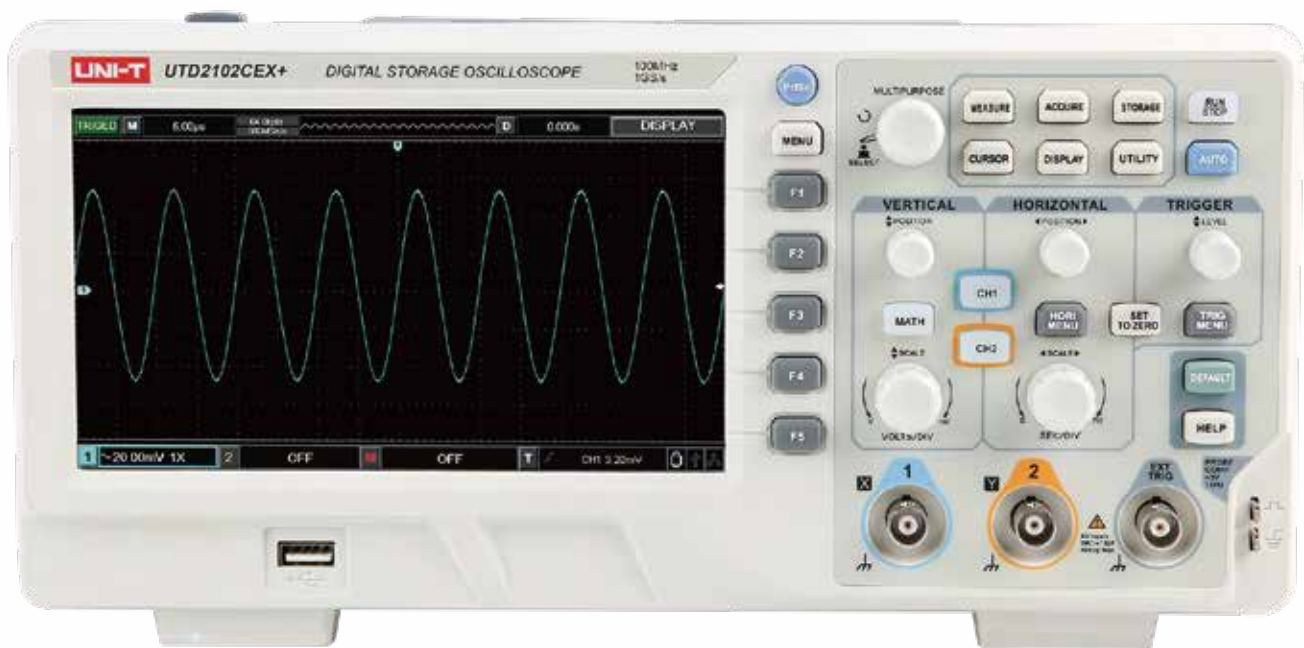
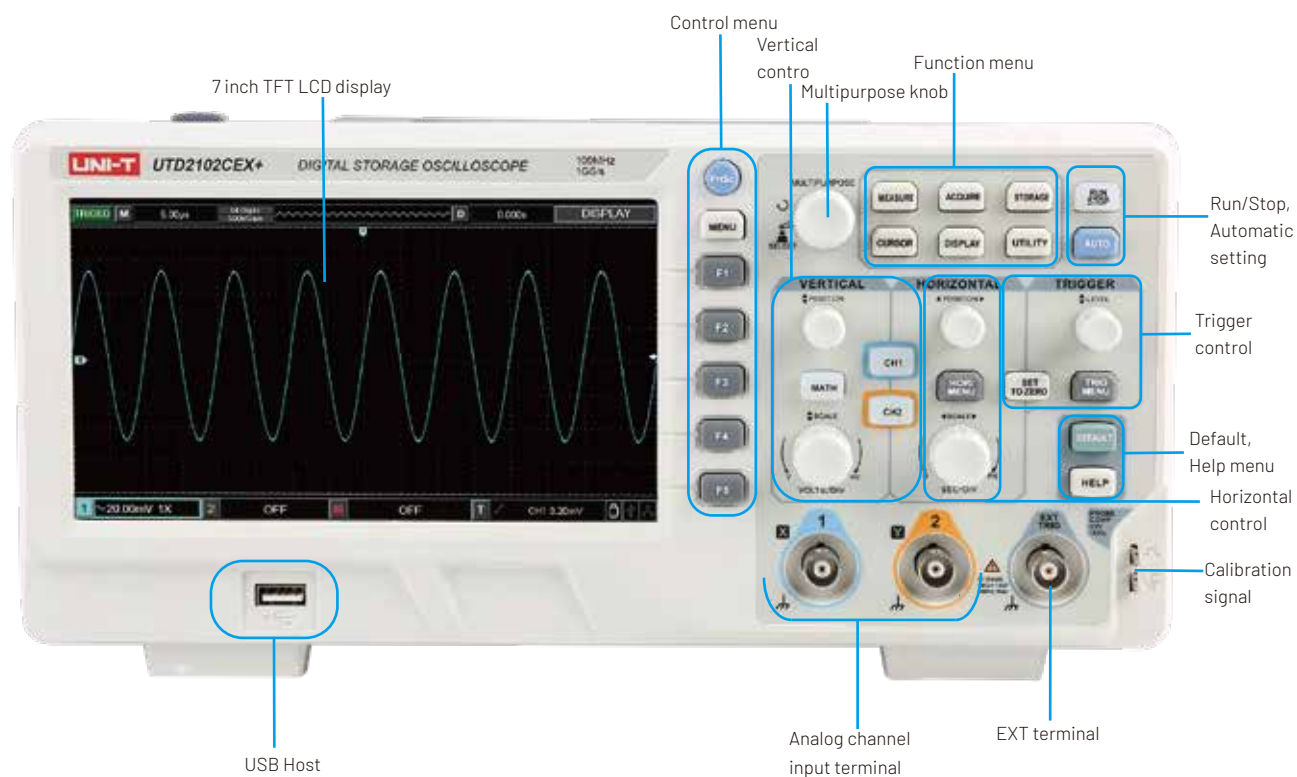




Data Sheet

UTD2000CEX+ Series Digital Oscilloscopes

Panel Structure

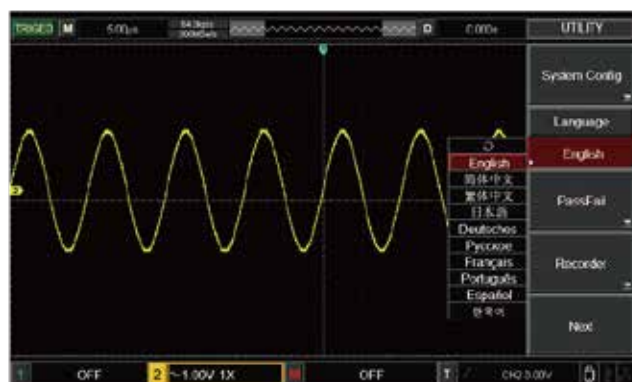




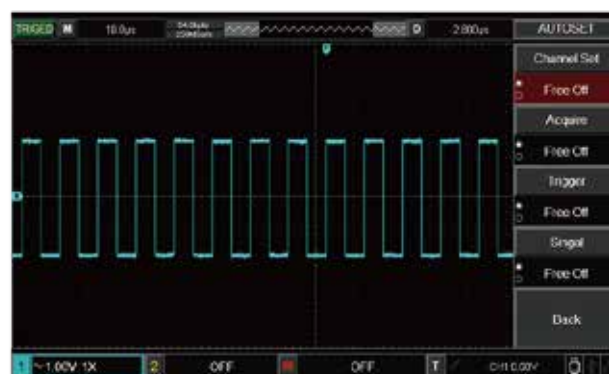
● UTD2102CEX+

The UTD2000CEX+ Series digital storage oscilloscope is an entry-level bench solution that meets the key requirements of basic measurement. The simple and clear front panel is designed for easy operation. The UTD2000CEX+ Series has 50MHz /100MHz/200MHz bandwidth, real-time sampling rate of 1GSa/ s, dual channel and other performance output, and storage depth of 64kpts. With extensive application scenarios, this model is suitable for communication, semiconductor, computer, instrument, industrial electronics, consumer electronics, automotive electronics, on-site maintenance, R & D / education and more.

- 50/100/200MHz bandwidth
- 2 channels, low noise floor, wide vertical range:
1mV/div~20V/div
- Memory depth: 64kpts
- System software upgrade via USB drive
- 7 inch TFT LCD
- Supports plug-and-play USB storage device;
communication with and remote control of computer
through the USB device



- Multilingualism to meet the needs of more users in countries



- 8div×16div Wider display range



- Automatic Measurement of Waveform Parameters



- Waveform recording functions

Key Specifications	UTD2052CEX+	UTD2102CEX+	UTD2202CEX+
Bandwidth	50MHz	100MHz	200MHz
Channels	2		
Sampling rate	1GSa/s		
Memory depth	64kpts		
Waveform capture rate	5,000wfms/s		
Rise time	<7ns	<3.5ns	<1.8ns
Vertical scale (V/div)	1mV/div~20V/div		
Vertical resolution	8bit		
Time base scale (s/div)	2ns/div~50s/div		
Deviation from scope	±8div(away from screen center)		
Input impedance	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, pulse, alternate,slope, video		
Mathematical operations	+, −, ×, ÷, FFT		
Auto measurements	Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total		
Displayed measurements	Display 5 measurements at the same time		
Frequency counter	6 bits		
Interface	USB Host,USB Device,Pass/Fail		
Power	100-240VAC, 45-440Hz		
Display	7 inch TFT LCD, 800×480		
Product color	White and grey		
Product net weight	2.5kg		
Product size (W×H×D)	306mm×138mm×124mm		
Standard quantity per carton	2pcs		
Standard carton size	450mm x 420mm x 280mm		
Standard carton gross weight	7.5kg		

Ordering Information	
UTD2000CEX+	UTD2202CEX+:200MHz,1GSa/s,64kpts,2-Channel
	UTD2102CEX+:100MHz,1GSa/s,64kpts,2-Channel
	UTD2052CEX+:50MHz,1GSa/s,64kpts,2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14:USB interface cable
	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)

Warranty

Three-years warranty, excluding probes and accessories.

Please visit https://instruments.uni-trend.com/list_190/65.html to learn more information.

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UNI-T group maintains a wide products category includes Digital Test & Measurement instruments, Field Testing Meter, Infrared thermal imaging products. As early as 2008, we continue to introduce self-developed Digital Test and Measurement instruments to the market and have made remarkable achievements. At present, we have formed a variety of product lines of Oscilloscope, AWG, Spectrum Analyzer, Bench Multi-meter, Power Supply, DC Load, Power Meter, LCR Meter, Micro Ohm Meter and Data logger. We have separated instruments sub-sites, instruments.uni-trend.com, on the basis of the original website www.uni-trend.com, in order to be more targeted to provide customers with better service and value.

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