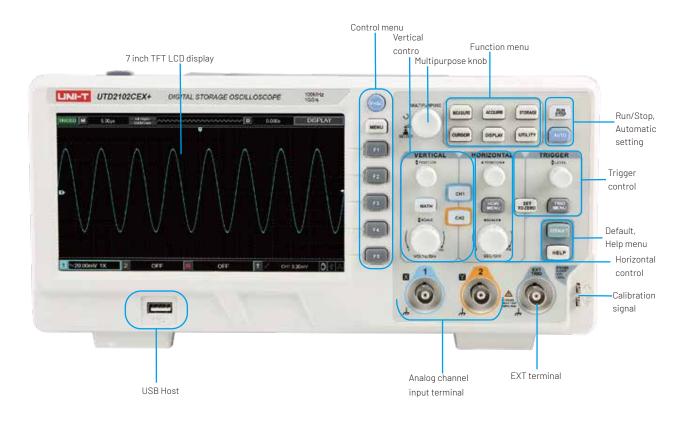


## Data Sheet

UTD2000CEX+ Series Digital Oscilloscopes

UTD2000CEX+ Series Datasheet

## Panel Structure





Datasheet UTD2000CEX+ Series



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.

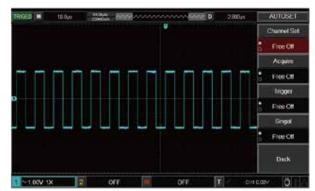
- 50/100/200MHz bandwidth
- 2 channels, low noise floor, wide vertical range: 1mV/div~20V/div
- Memory depth: 64kpts
- System software upgrade via USB drive
- English

• Multilingualism to meet the needs of more users in countries



Automatic Measurement of Waveform Parameters

- 7 inch TFT LCD
- Supports plug-and-play USB storage device; communication with and remote control of computer through the USB device



• 8div×16div Wider display range



Waveform recording functions

Datasheet UTD2000CEX+ Series

Key Specifications	UTD2052CEX+	UTD2102CEX+	UTD2202CEX+
Bandwidth	50MHz	100MHz	200MHz
Channels	2		
Sampling rate	1GSa/s		
Memory depth	64kpts		
Waveform capture rate	5,000wfms/s		
Risetime	<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	+, -, x, ÷, 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, LRF, 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)	

Datasheet UTD2000CEX+ Series

## Warranty

Three-years warranty, excluding probes and accessories.

o protect your investment, please purchase from UNI-T official authorized global distriburots.

## Contact UNI-T

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.

UNIT/MKT-TMI-SC/AL-2303-043



