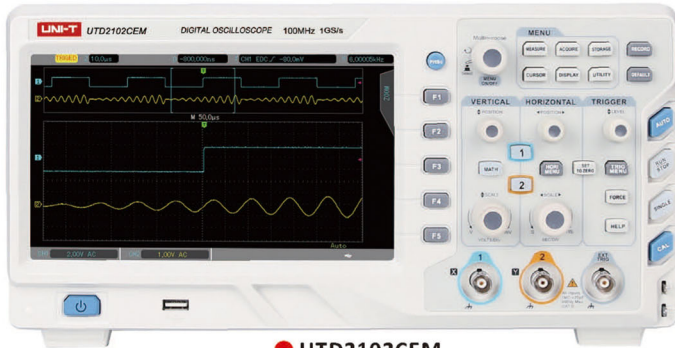


UTD2000M Series

Digital Storage Oscilloscopes



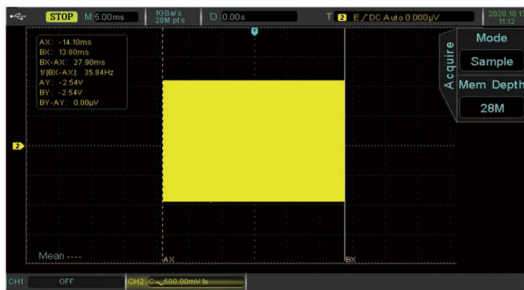
● UTD2102CEM

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

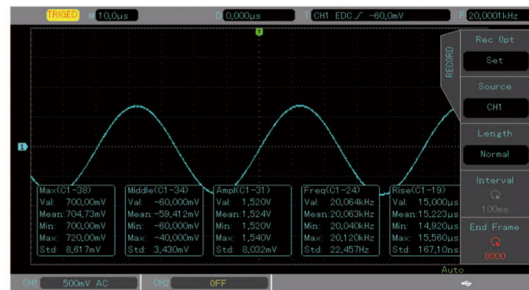
The Series is available in 60, 70, 100 and 200MHz bandwidth models. It includes a 32Mpts memory depth that helps to ensure accurate waveform resolution and to capture longer signal lengths. Along with a 1GSa/s sampling rate, the UTD2000M supports 34 parameters measurements and common mathematical operations 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

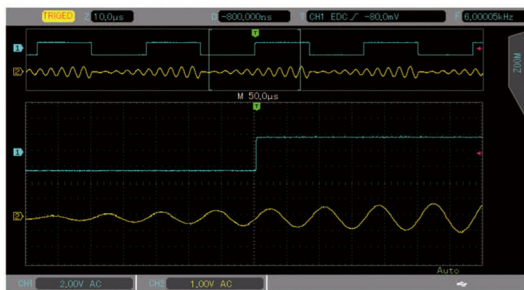
- Multiple calibration outputs: 10Hz, 100Hz, 1kHz (default), 10kHz, 100kHz
- 8 inches TFT LCD, WVGA (800 x 480)
- Waveform recorder, recording up to 10Mpts waveform data



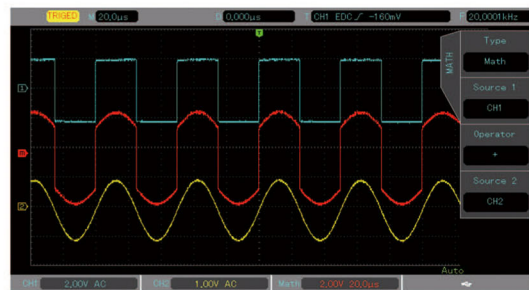
- Up to 28Mpts memory depth



- 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	UTD2062CEM	UTD2102CEM	UTD2202CEM
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	UTD2202CEM: 200MHz, 1GSa/s, 16Mpts, 2-Channel
	UTD2102CEM: 100MHz, 1GSa/s, 32Mpts, 2-Channel
	UTD2062CEM: 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)