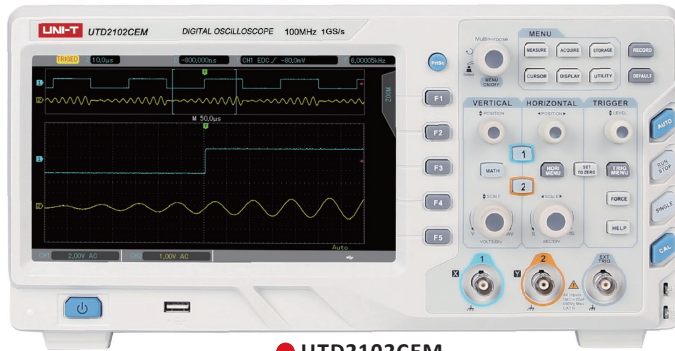


UTD2000M Series

Digital Storage Oscilloscopes



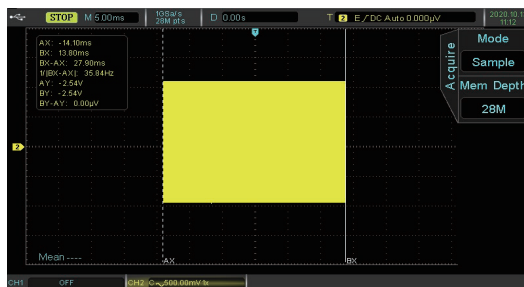
● UTD2102CEM

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

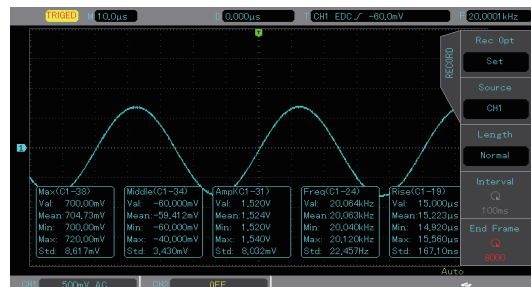
The Series is available in 60, 70, 100 and 200MHz bandwidth models. It includes a 32Mpts memory depth that helps to ensure accurate waveform resolution and to capture longer signal lengths. Along with a 1GSa/s sampling rate, the UTD2000M supports 34 parameters measurements and common mathematical operations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

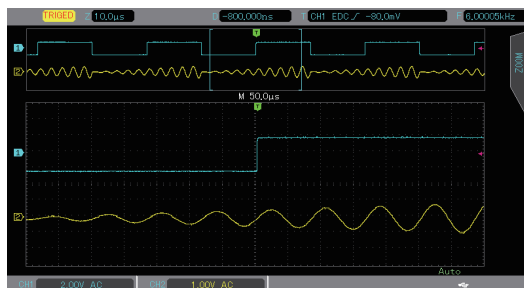
- Multiple calibration outputs:
10Hz, 100Hz, 1kHz (default), 10kHz, 100kHz
- 8 inches TFT LCD, WVGA (800 x 480)
- Waveform recorder, recording up to 10Mpts waveform data



- 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
Certificates (UTD2000CM only)	CE, ROHS				
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 paramet ers 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)