

UPO3000E Series NEW

Ultra Phosphor Oscilloscopes



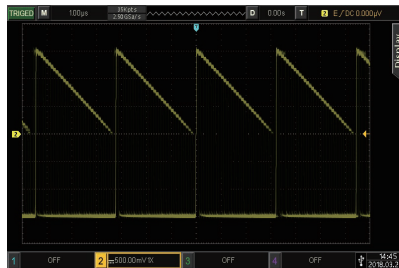
● UPO3254E

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.

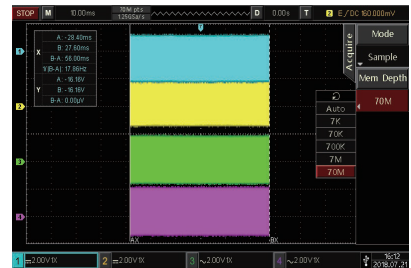
The Series is a fast and versatile scope covering frequencies up to 250MHz with 2 or 4 channels and a wide vertical range (1mV/div-20V/div) to deliver an extremely low noise floor to help you capture smaller signals. 2.5GSa/s max sampling rate and 70Mpts of standard memory depth to its user-friendly 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.



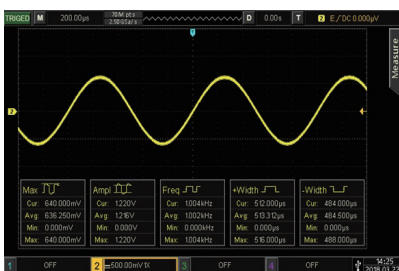
- The ability of capturing low-probability events is highly improved with up to 200,000wfms/s waveform capture rate. Users can clearly observe signal jitters and glitches.



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



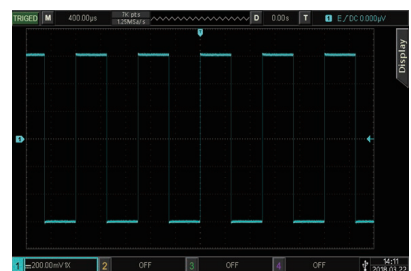
- Up to 70Mpts channel memory depth. Users can capture signals for longer time without losing the waveform details.



- A variety of measuring and statistical functions.



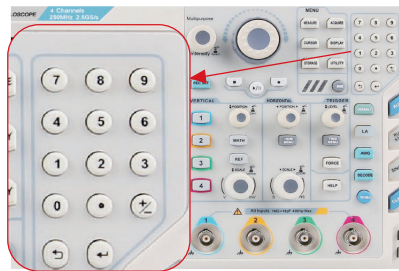
- Editable advanced operations.



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



- A variety of triggers: Runt, Nth Edge, Pattern, RS232/UART, I2C, SPI, CAN, USB.



- Unique numerical keypad.

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	Edge, Runt, Window, Nth Edge, Delay, Overtime, Duration, Setup/Hold, Pulse Width, Slop, Video, Code; RS232/UART, I2C, SPI, USB (Optional), CAN (Optional)			
Bus decode	RS232/UART, I2C, SPI, USB (Optional), CAN (Optional)			
Waveform 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, 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)
Optional Accessories	UT-M12:multimeter module