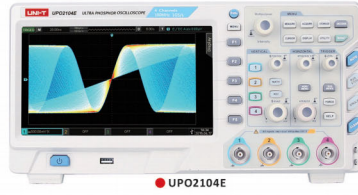
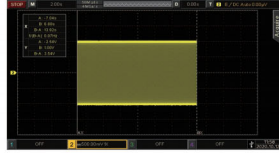


# UPO2000E Series

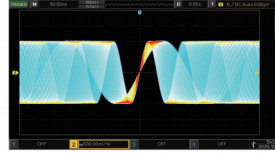
## Ultra Phosphor Oscilloscopes



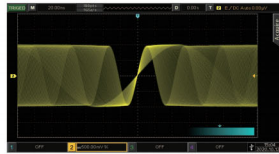
The UPO2000E Series offers unprecedented value in customer applications with its innovative technology, industry leading specifications, powerful trigger functions and broad analysis capabilities. The Series is available in 70MHz and 100MHz bandwidth and 2 or 4 analog channels. It adopts UNI-T UPO visualization technology, has a maximum sample rate of 1GSa/s and a standard memory depth of 56Mpts. It comes with a minimum vertical scale input range of 1mV/div, an innovative digital trigger system with high sensitivity and low jitter, and a waveform capture rate of 80,000wfms/s.



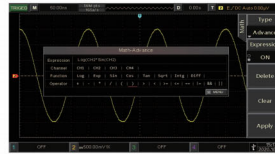
- Up to 56Mpts memory depth, capturing signals for longer time without losing the details of waveform.



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



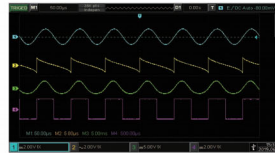
- 80,000wfms/s waveform capture rate, improving the ability of capturing the random and low probability events, observing the signal jitters and glitches clearly.



- Waveform operations, editable advanced operations



- A variety of automatic measurements and statistical functions.



- The time base of each channel is independent and adjustable, observing simultaneously four (or two) signals with large difference in frequency

Technical Specifications	UPO2072E	UPO2074E	UPO2102E	UPO2104E
Bandwidth	70MHz		100MHz	
Channels	2	4	2	4
Sampling rate	1GSa/s			
Max. memory depth	56Mpts (Single channel)			
Waveform capture rate	80,000wfms/s			
Time base scale (s/div)	5ns/div~50s/div			
Input impedance	[1MΩ±2%]  [20 pF±3pF]			
Vertical scale (V/div)	1mV/div~20V/div (1MΩ)			
DC gain accuracy	±14%			
Waveform record	65,000 frames			
Trigger types	Standard: Edge, Pulse, Video, Runt, Windows, Delay, Timeout, Duration, Setup/Hold, Nth Edge, Pattern, RS-232/UART, I2C, SPI			
Bus decode	Standard: RS-232/UART, I2C, SPI			
Mathematical operations	A+B, A-B, A×B, A/B, FFT, Filter, Logic operation, Editable Advanced			
Auto measurements	Max, Min, High, Low, Middle, Pk-Pk, Ample, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, OverShoot, PreShoot, Period, Freq, Rise, Fall, +Width, -Width, +Duty, -Duty, RiseDelay, FallDelay, Phase, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF			
Number of measurements	Display 5 measurements at the same time			
Measurement statistic	Average, Max, Min, Standard Deviation, Number of Measurements			
Frequency counter	Hardware 6 bits counter (Channels are selectable)			
Standard interfaces	USB Host, USB Device, LAN, AUX Out			
Power	100V~240V AC, 50Hz/60Hz			
Display	8 inches TFT LCD, WVGA(800×480)			
Product net weight	3.5kg ± 0.2kg			
Product size	336mm×164mm×108mm			
Standard quantity per carton	2pcs			
Standard carton measurement	450mm×420mm×280mm			
Standard carton gross weight	9.7kg			

Ordering Information	
UPO2000E Series	UPO2104E: 100MHz, 1GSa/s, 56Mpts, 4-Channel
	UPO2102E: 100MHz, 1GSa/s, 56Mpts, 2-Channel
	UPO2074E: 70MHz, 1GSa/s, 56Mpts, 4-Channel
	UPO2072E: 70MHz, 1GSa/s, 56Mpts, 2-Channel
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable UT-P04: Passive probe x 2/4 (1 x, 10 x switchable, 100MHz)