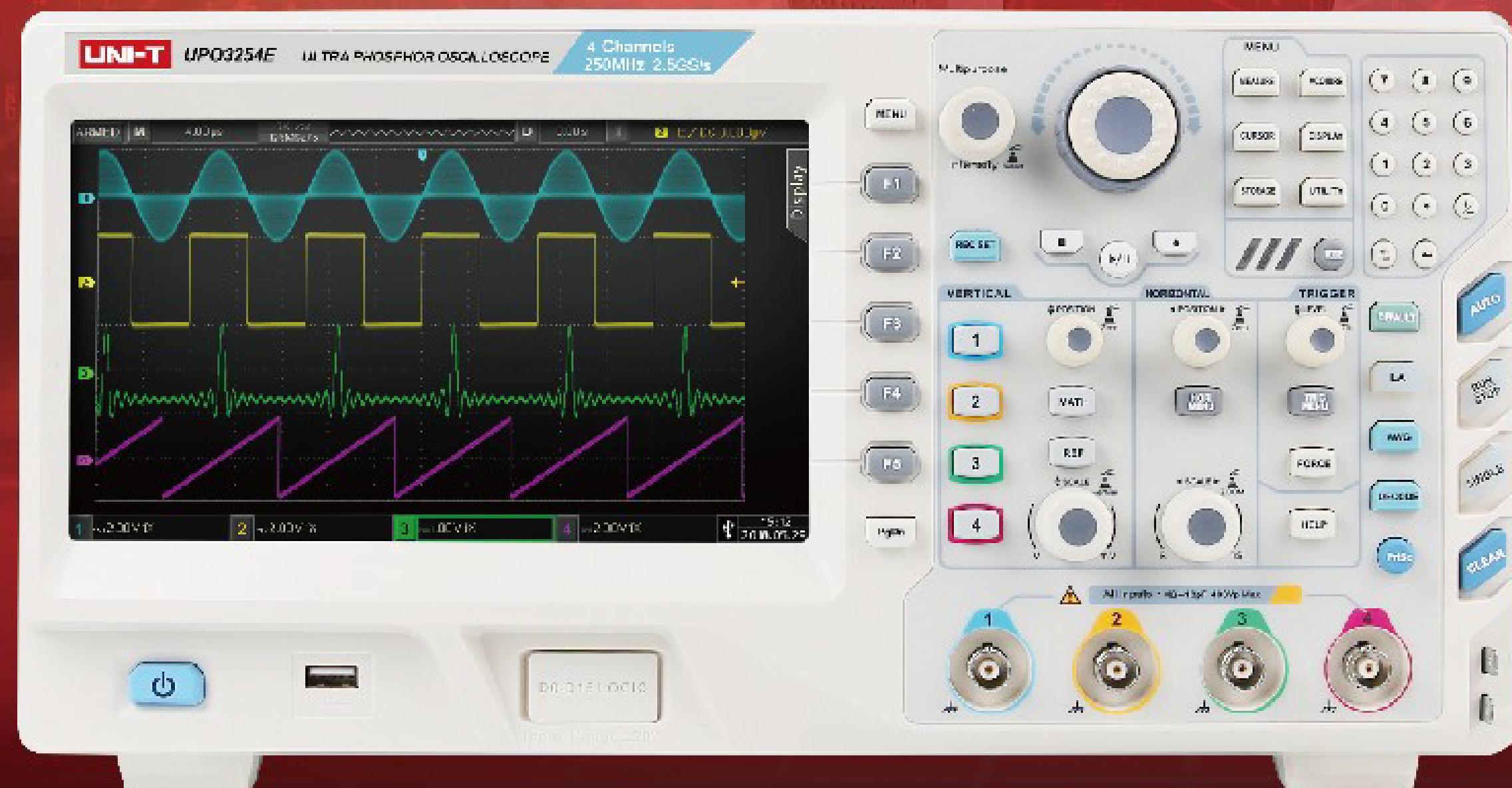# UPO3000E
Ultra Phosphor Oscilloscope

▮ FEATURES

- Channels: 2/4
- Bandwidth: 150M/250MHz
- Sampling rate: 2.5GS/s
- Waveform capture rate: 200,000wfms/s
- Memory depth: 70Mpts
- Interface: USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail), VGA
- AWG (Optional): Built-in dual channel, 250MS/s sampling rate; 25MHz output frequency

- Adjustable time-base stall
- 256-level intensity grading display
- Multiple triggers and decoding available
- 8 inches TFT LCD, WVGA (800×480)
- Up to 100,000 frames waveform recording

■ SPECIFICATIONS

	UPO3152E	UPO3154E	UPO3252E	UPO3254E
Analog bandwidth	150MHz		250MHz	
Channels	2	4	2	4
Sampling rate	2.5GS/s (Single channel), 1.25GS/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	2ns/div~40s/div (Real-time sampling rate, memory depth display)　【Step by 1-2-4 stall】			
Input impedance	(1MΩ±1%) II (18pF±3pF)			
Vertical sensitivity	1mV/div~20V/div (1MΩ)			
DC gain accuracy	<5mV: ±3%, ≥5mV: ±2%			
Waveform record	Single channel: 100,000 frames; Adjustable interval: 1.00ms~1000s			
Triggers	Edge, Runt, Window, Nth edge, Delay, Overtime, Duration, Setup/Hold, Pulse width, Slop, Video, Code; RS232/UART, I2C, SPI, USB, CAN, LIN, FlexRay			
Bus decode	RS232/UART, I2C, SPI, USB, CAN, LIN, FlexRay			
Waveform operations	A+B, A-B, A×B, A/B, FFT, editable advanced and logical operations			
Auto measurements	Max, Min, Top, Bottom, Middle, Peak-Peak, Amplitude, Average, Cycle average, RMS, Cycle RMS, Area, Cycle area, Overshoot, Preshoot, Frequency, Cycle, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Rise delay, Fall delay, Phase, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, 34 parameters in total			
Measurement display	5 types			
Measurement statistics	Average, Max, Min, Standard deviation and measurement counts			
Frequency counter	6 bits			
Interfaces	**Standard:** USB-Host, USB-Device, LAN, EXT Trig, AUX Out (TrigOut/Pass-Fail), VGA; **Optional:** AWG			

■ GENERAL CHARACTERISTICS

Power	100V~240V ACrms, 50Hz/60Hz
Display	8-inch TFT LCD, WVGA (800 x 480)
Product color	White and grey
Product net weight	4.2kg
Product size (W x H x D)	370mm x 195mm x 125mm
Standard accessories	Probe x 2/4 (1 x , 10 x switchable), power cord, USB cable, PC software CD
Standard individual packing	Gift box
Standard quantity per carton	2pcs
Standard carton measurement	470mm x 425mm x 300mm
Standard carton gross weight	11kg