

UPO3000E Series

Ultra Phosphor Oscilloscopes



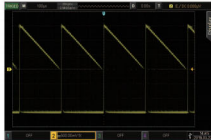
● UPO3254E

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.

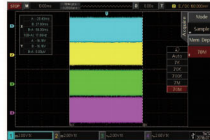
The Series is a fast and versatile scope covering frequencies up to 250MHz with 2 or 4 channels and a wide vertical range (1mV/div-20V/div) to deliver an extremely low noise floor to help you capture smaller signals. 2.5GSa/s max sampling rate and 70Mpts of standard memory depth to its user-friendly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



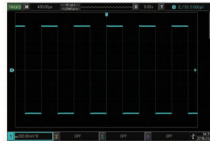
● Up to 70Mpts channel memory depth. Users can capture signals for longer time without losing the waveform details.



● A variety of measuring and statistical functions.



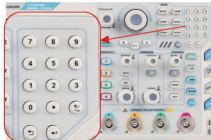
● Editable advanced operations.



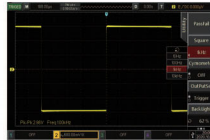
● Menu can be hidden to allow longer horizontal viewing area for more waveform details.



● A variety of triggers: Runt, Nth Edge, Pattern, RS-232/UART, I2C, SPI, CAN, USB.



● Unique numerical keypad.



● Multiple frequency output standard square wave signal optional.

| 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, 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 | Standard: Edge, Runt, Window, Nth Edge, Delay, Overtime, Duration, Setup/Hold,Pulse Width, Slop, Video, Code, RS-232/UART, I2C, SPI Optional: USB, CAN | | | |
| Bus decode | Standard: RS-232/UART, I2C,SPI Optional: USB,CAN | | | |
| 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, LRR, LRF, 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 Probedx2/4(1x,10x switchable, 300MHz) |