

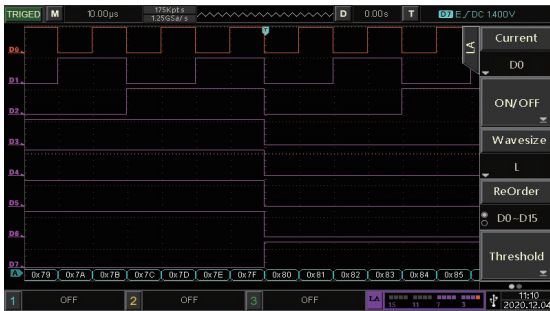
# MSO3000E Series NEW

## Mixed Signal Oscilloscopes

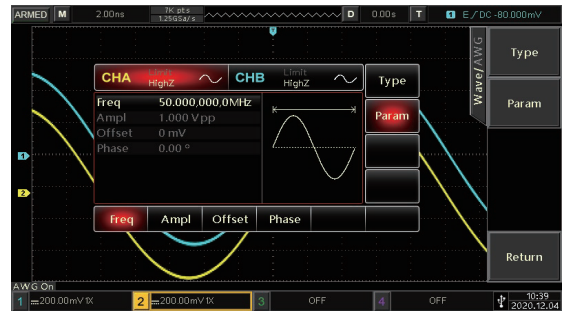


● MSO3254E

The MSO3000E Series is the new mainstream digital phosphor oscilloscope to meet the customers' applications with its innovative technology. The series is targeting for the most extensive testing and measurement market with its industry leading specifications, powerful trigger functions and broad analysis capabilities, 16 bits of mixed signal logic channels with included UT-M15 logic probe kit, with bandwidths from 150MHz to 250MHz and 2 or 4 channels, sampling rates up to 2.5GSa/s, combined with deep memory depth and high waveform capture rates.



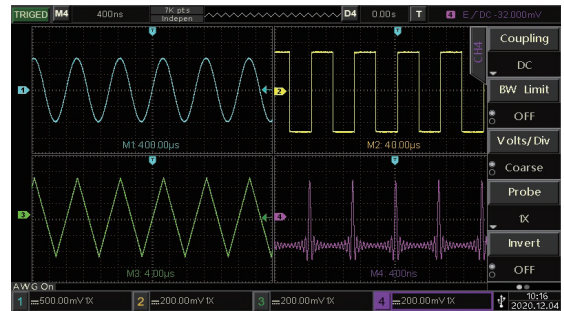
● 16 Digital channels LA module



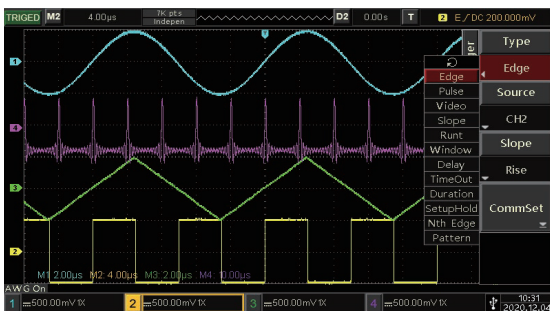
● Built-in 50MHz dual-channel signal generator



● Up to 200,000wfms/s waveform capture rate, improving the ability of capturing the random and low probability events, observing the signal jitters and glitches clearly



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



● Rich trigger functions



● Up to 100,000 frames waveform record

Technical Specifications	MSO3152E	MSO3154E	MSO3252E	MSO3254E
Bandwidth	150MHz		250MHz	
Analog Channels	2	4	2	4
Digital channel	16			
Built-in Signal Generator	2CH, 50MHz			
Sampling rate (analog)	2.5GSa/s (Single channel), 1.25GSa/s (Dual channels)			
Sampling rate (digital)	1.25GSa/s (Eight channels), 625MSa/s (Sixteen channels)			
Max. memory depth	70Mpts			
Waveform capture rate	200,000wfms/s			
Time base scale (s/div)	2ns/div~40s/div (Real-time sampling rate, memory depth display )			
Time base scale (digital)	2ns/div~40s/div 【Step by 1-2-4 stall】			
Input impedance	(1MΩ±1%)    (20pF±3pF)			
Input impedance (digital)	(101kΩ±1%)    (9pF±1pF)			
Vertical scale (V/div)	1mV/div~20 V/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)			
Mathematical 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, 34parameters in total digital channel: Freq, Period, +Width, -Width, +Duty, -Duty, RiseDelay A→B, FallDelay A→B, Phase A→B, Phase B→A			
Number of measurements	Display 5 measurements at the same time			
Measurement statistics	Average, Max, Min, standard deviation, number of measurements			
Frequency counter	6 bits			
Standard interfaces	USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail), AWG, UT-M15 logic analyzer probe, VGA			
Power	100V~240V AC, 50Hz/60Hz			
Display	8 inches TFT LCD, WVGA (800x480)			
Product color	White and grey			
Product net weight	4.2kg			
Product size (W×H×D)	370mm x 195mm x 125mm			
Standard quantity per carton	2pcs			
Standard carton size	470mm x 425mm x 300mm			
Standard carton gross weight	12.5kg			

Ordering Information	
MSO3000E Series	MSO3254E: 250MHz, 2.5GSa/s, 70Mpts, 4+16CH MSO
	MSO3252E: 250MHz, 2.5GSa/s, 70Mpts, 2+16CH MSO
	MSO3154E: 150MHz, 2.5GSa/s, 70Mpts, 4+16CH MSO
	MSO3152E: 150MHz, 2.5GSa/s, 70Mpts, 2+16CH MSO
Standard Accessories	Power cord conforming to the standard of the destination country
	UT-D14: USB interface cable
	UT-P06: Passive probe x 2/4 (1 x, 10 x switchable, 300MHz)
	UT-P05: Passive probe x 2/4 (1 x, 10 x switchable, 200MHz)
	UT-M15: 16CH logic analyzer probe