



MSO Series

Mixed LA-Oscilloscope



Performance characteristics

Model	MSO7062TD	MSO7102TD	MSO8102T	MSO8202T
Bandwidth	60MHz	100MHz	100MHz	200MHz
Sample rate(Real time)	1GS/s		2GS/s	
Horizontal Scale(S/div)	2ns/div - 100s/div, step by 1 - 2 - 5		1ns/div - 100s/div, step by 1 - 2 - 5	
Rise time (at input, typical)	≤5.8ns	≤3.5ns	≤1.7ns	
Channels	dual + external trigger			
Max. input voltage	400V (DC + AC peak)			
Record length	2M points			
Probe attenuation factor	1X, 10X, 100X, 1000X			
Interpolation	sin(x)/x			
Vertical resolution (A/D)	8 bit (2 channels simultaneously)			
Vertical sensitivity	2mV/div - 10V/div			
DC gain accuracy	±3%			
DC accuracy(Average)	average>16 : ±(3% rdg + 0.05div) for ΔV			
Trigger Mode	Edge, Video, Alternate, Pulse, and Slope			
Automatic measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Delay A → B, Delay A → B			
Cursor measurement	ΔV and ΔT between cursors			
Waveform Math	+, -, x, /, invert, FFT			
Waveform storage	4 waveforms			
Lissajou's figure	Bandwidth	60MHz	100MHz	200MHz
	Phase difference	± 3degrees		
Communication interface	USB host, VGA (optional), and USB device			
Power supply	100 - 240V AC, 50Hz / 60Hz, CAT II			
Fuse	1A, T class, 250V			

Logic Analyzer Specification

Model	MSO7062TD	MSO7102TD	MSO8102T	MSO8202T
Sample rate (real time)	20S/s-1GS/s			
Bandwidth	100MHz			200MHz
Threshold voltage	±6V(4 settings)			
Input signal range	±30V			
Channels	16			
Record length	4M points			
Input impedance	660KΩ ± 5%, in parallel with 15 ± 5pF			

Trigger position setting	Pre-trigger, Mid-trigger, and Re-trigger
Trigger mode	Edge, Bus, State, Data Alignment, Data Width, and Distributed Queue
Data search	available
Data System	binary, decimal, and hex
Digital filter	0,1,2 optional
Storage setting	10 settings
USB storage	available

OWON continues to improve products and reserves the rights to change specifications without advance notice. For latest ones, please refer our website

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