

MSO 7102TD Mixed LA - Oscilloscope



- ✓ 2 in 1 (DSO + LA)
- ✓ 8 inch LCD color display
- ✓ Support USB for data transmission to PC
- ✓ USB data transmission supported
- ✓ 20 group automatic measurement options

Digital Storage Oscilloscope

- ✓ Bandwidth : 100MHz
- ✓ Sample rate : 1GS/s
- ✓ Auto-scale function
- ✓ FFT

Logic Analyzer

- ✓ Bandwidth : 100MHz
- ✓ Sample rate : max 1GS/s
- ✓ 16 input channels

[Digital Storage Oscilloscope] Performance Specifications

Model	MSO7102TD
Bandwidth	100MHz
Sample Rate (real time)	1GS/s
Rise Time	≤3.5ns
Display	8.0" color LCD , TFT screen, 640 × 480 pixels
Channel	dual + external trigger
Horizontal Scale (s/div)	2ns/div ~ 100s/div, step by 1 ~ 2 ~ 5
DC Accuracy (average)	average>16 : ±(3% reading + 0.05div) for ΔV
Vertical Sensitivity	2mV/div - 10V/div
DC Gain Accuracy	±3%
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Interpolation	sin (x) / x
Max Input Voltage	400V (DC + AC, PK - PK)
Probe Attenuation Factor	1X , 10X , 100X , 1000X
Trigger Mode	Edge, Video, Alternate, Pulse, Slope
Acquisition Mode	Normal, Peak Detect, and Average
Record Length	max 2M points
Waveform Storage	4 waveforms
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B
Waveform Math	+, -, ×, ÷, invert, FFT
Power Supply	100 - 240V AC, 50Hz / 60Hz, CATII

Model		MSO7102TD
Lissajous Figure	Bandwidth	100MHz
	Phase Difference	±3 degrees
Communication Interface		USB host, and USB device
Fuse		1A, T class, 250V
Dimensions (W × H × D)		370 × 180 × 120 (mm)
Weight (without package)		2.20 kg

[Logic Analyzer] Performance Specifications

Model	MSO7102TD
Sample Rate (real time)	20S/s - 2GS/s
Bandwidth	100MHz
Channel	16
Record Length	max 4M each channel
Input Impedance	660KΩ ± 5%, in parallel with 15 ± 5pF
Trigger Mode	Edge, Bus, State, Data Alignment, Data Width, Distributed Queue
Trigger Position Setting	Pre-trigger, Mid-trigger, and Re-trigger
Threshold Voltage	±6V (4 settings)
Input Signal Range	±30V
Data Search	available
Data System	binary, decimal, hex
Digital Filter	0, 1, 2 optional
Setting Storage	10 settings
USB Flash Disk Storage	available

Specifications subject to change without prior notice.

+ Application

design and debug education & training circuit function test mixed signal circuit test identified signals logic information

+ Accessories

The accessories subject to final delivery.

Power Cord

CD Rom

Manual

USB

Probe

Probe Adjust

Logic Analyzer Module

Battery (optional)

Soft Bag (optional)