



**MDS-2000 series oscilloscope**

super- economical type digital storage oscilloscope

+ Bandwidth : 150MHz/250MHz

+ 2-Channel

+ Sample rate : 1GS/s

+ Ultra-thin body

+ 7 inch high resolution LCD

+ SCPI, and LabVIEW supported

Performance Characteristics	Instruction	
Bandwidth	MDS2152	Up to 150 MHz
	MDS2252	Up to 250 MHz
Rise Time (at input, typical)	MDS2152	≤ 3.5 ns
	MDS2252	≤ 1.75 ns
Horizontal Scale	MDS2152 MDS2252	2 ns/div – 1000 s/div, step by 1 – 2 - 5
Sample rate (real time)	MDS2152 MDS2252	1 GS/s
Display	7" Colored LCD (Liquid Crystal Display),65536 colors, 800 x 480 pixels	
Channel	2 channels	
Max Record length	10K	
Sampling rate / relay time accuracy	±100 ppm	
Input coupling	DC, AC , Ground	
Input impedance	1 MΩ±2%, in parallel with 20 pF±5 pF	
Max. input voltage	400V (DC+AC, PK - PK)	
DC Gain Accuracy	±3%	
Vertical Sensitivity	5 mV/div – 5 V/div	
Trigger type	Edge, Video	
Trigger mode	Auto, Normal, Single	
Line/field frequency (Video)	Support standard NTSC, PAL and SECAM broadcast systems	
Automatic measurement	Period, Frequency, Mean, PK-PK, RMS, Max, Min, Top, Base, Amplitude, Overshoot, Preshoot, Rise Time, Fall Time, +PulseWidth, -PulseWidth, +Duty Cycle, -Duty Cycle, Delay A→B , Delay A→B , Cycle RMS, Cursor RMS, Screen Duty, Phase, +PulseCount, -PulseCount, RiseEdgeCnt, FallEdgeCnt, Area, and Cycle Area.	
Waveform Math	+, -, ×, ÷, FFT	
Waveform storage	16 waveforms	
Communication interface	USB 2.0, USB flash disk storage	
Power supply	100 - 240 VACRMS, 50/60 Hz, CATII	

<b>Fuse</b>	2 A, T class, 250 V
-------------	---------------------

### **Mechanical Specifications**

<b>Dimension</b>	301 mm× 152 mm×70 mm (L*H*W)
<b>Weight</b>	About 1.1 kg