

## DIGITAL STORAGE OSCILLOSCOPE DSO5100

**APPLICATION:** The applications of the DSO are

- Used to measure capacitor, inductance, time interval between signals, frequency and time period
- It checks faulty components in circuits
- Used in the medical field
- Used to observe transistors and diodes V-I characteristics
- Used to analyze TV waveforms
- Used in video and audio recording equipment's
- It is widely used an oscilloscope



### FEATURES:

- 2 analog channels oscilloscope.
- With an external trigger.
- Multiple automatic measurements.
- Serial decode/trigger options for: UART, LIN, CAN, IIC, SPI.
- With integrated digital voltmeter (DVM).
- Large (7.0-inch) color display.
- Supports SCPI remote command control.
- ACCESSORIES: 1pc Digital Storage Oscilloscope, 1pc Passive Probe, 1pc Test Leads with 2 Clips, 1pc USB Cable, 1pc Power Cord, 1pc CD with software and manual.

### SPECIFICATION:

BASIC FUNCTION	RANGE
Bandwidth	100MHz
Rise Time at BNC (typical)	≤ 3.5ns
Max. Sample	Rate 1GSa/s for half channels,500MSa/s for all channels
Vertical Resolution	8 bits
Maximum Input Voltage	300VRMS (10 X)
DC Gain Accuracy	±3% full scale for Normal or Average acquisition mode, 10V/div to 10mV/div
	±4% full scale for Normal or Average acquisition mode, 5mV/div to 2mV/div
Memory Depth	Max.8M for half channels, Max. 4M for all channels
Input Sensitivity Range	2mV/div to 10V/div
Time Base Range	2ns/div to 100s/div (in 1-2-5 sequence)
Input Impedance	1MΩ±1% / 20pF±3pF (DC coupling)

Trigger Type	Edge, Pulse width, Video, Slope, Over time, Window, Pattern, Interval, Under Amp
Math	+, -, x, ÷, FFT
Dimension	318 x 110 x 150 mm (L x W x H)

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