

# Handheld Oscilloscope

1GSa/s, 200/100/60MHz

## DSO 1000 Series

### Feature

- 200/100/60MHz Bandwidth with 2 Channels
- 1GS/s sample rate, and 6000 Counts DMM with analog bargraph
- 1M Memory Depth
- High Refresh Rate (2500 frames)
- Large 5.6" TFT color LCD Display, High Resolution (640\*480)
- Built-in multi-language Support
- Pass-Fail function compares a stored waveform to an unknown input
- USB 2.0 Host/Device interface, support removable disk, LAN Optional



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**MEGATEK™**

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Specification	Model	DSO1200	DSO1100	DSO1060
Horizontal	Bandwidth	200MHz	100MHz	60MHz
	Real-time Sample Rate	1GSa/s		
	Equivalent Sample Rate	25GSa/s		
	Record Length(Sample Points)	Single-channel: Maximum 1M; Dual-channel: Maximum 512k		
	SEC/DIV Range	2nS/div-2000S/div (in a 2, 4, 8 sequence)		
	Delay Time Accuracy	500ps		
Vertical	A/D Converter	8-bit resolution		
	VOLTS/DIV Range	2mV/div~5V/div at input BNC		
	Position Range	±50V(5V/div), ±40V(2V/div~500mV/div), ±2V(200mV/div~50mV/div), ±400mV(20mV/div~2mV/div)		
	Rise Time at BNC	≤1.7ns	≤3.5ns	≤5.8ns
	DC Gain Accuracy	±4% for Sample or Average acquisition mode, 5mV/div to 2mV/div ±3% for Sample or Average acquisition mode, 5V/div to 10mV/div		
Trigger	Trigger Sensitivity (Edge Trigger Type)	DC: CH1 / CH2 (Typical) 1div from DC to 10MHz; 1.5div from 10MHz to Full; AC: Attenuates signals below 10Hz; HF Reject: Attenuates signals above 80kHz; LF Reject: Attenuates signals below 150kHz; Noise Reject: Reduces trigger sensitivity		
	Trigger Level Range	CH1, CH2: ±8 divisions from center of screen		
	Trigger Level Accuracy, typical (Accuracy is for signals having rise and fall times ≥20ns)	CH1, CH2: ±(0.3div x V/div) (within ±4 divisions from center of screen)		
	Holdoff Range	100ns-10s		
Trigger Type	Edge	Trigger on the rising or falling edge		
	Pulse width	Trigger (when >, <, =, ≠) on positive or negative pulses. Pulse Width Range: 20ns-10s		
	Video	Trigger on an NTSC, PAL, or SECAM standard video signal Line Range: 1-525 (NTSC), 1-625 (PAL/SECAM)		
	Slope	Trigger (when >, <, =, ≠) on a positive or negative slope. Set Time: 20ns-10s		
	Overtime	From The rising or falling edge. Set Time: 20ns-10s		
	Alternate	Internal trigger on edge, Pulse width, Video or slope		
Measurement	Cursors	Manual: The difference between voltage cursors ΔV; the difference between time cursors ΔT; 1/ ΔT calculated by Hz. Tracing: The voltage and time at a waveform point		
	Automatic	Pk-Pk, Max, Min, Mean, Cyc RMS, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width		
Meter Mode	Max. Resolution	6,000 Counts		
	DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity		
	Max. Input Voltage	AC: 600V, DC: 800V		
	Max Input Current	AC: 10A, DC: 10A		
	Input Impedance	10 MΩ		
Display	Type	Right angle 5.6 16-digit color LCD		
	Resolution	640*480 dots		
	Contrast	16 gears, with the progress bar to show adjustment		
	Interface	USB host and USB slave, Lan Optional		
Power Supply	Voltage	DC Input: 12--17VDC, 1500mA		
Mechanical	Size	245 x 163 x 52 (mm)		
	Weight	1.3KG (exclusive of packing and accessories)		