

Handheld Oscilloscope

DSO/DMM/Generator/Counter/Analyzer

DSO8000 Series

Feature

- Five-in-one Handheld Oscilloscope:
Oscilloscope/DMM/ SpectrumAnalyzer/FrequencyCounter/Arbitrary Waveform generator.
- High Bandwidth 60MHz/100MHz/200MHz Oscilloscope, and 6000 Counts DMM.
- Arbitrary Waveform Generator: 25MHz arbitrary waveform output, 12 bits of vertical resolution.
- USB Host/Device 2.0 full-speed interface, RS-232/LAN Optional.



Specification		Model	DSO8202B	DSO8102B	DSO8062B	DSO8060
Horizontal	Channel			2		
	Bandwidth		200MHz	100MHz	60MHz	
	Rise Time		≤1.7ns	≤3.5ns	≤5.8ns	
	Real-Time Sampling Rate			1GSa/s		250MSa/s
	Equivalent Sampling Rate			25GSa/s		50GSa/s
	Memory Depth			1M		32K
	Time Base Range		5ns/div~1000s/div			
Vertical	Time Base Precision		±50ppm			
	Input Impedance		Resistance: 1M; Capacitance: 15pF			
	Input Sensitivity			2mV to 5V/div		10mV to 5V/div
	Input Coupling		AC, DC and GND			
	Vertical Resolution		8 bits			
Trigger	Maximum Input		400V (DC+AC Peak)			
	Source		CH1, CH2, EXT			
X-Y Mode	Mode		Edge, Pulse Width, Alternative, Video			
	X-Axis Input		Channel 1			
	Y-Axis Input		Channel 2			
Measurement	Phrase Shift		Max. 3 degree			
	Cursors		Manual: The difference between voltage cursors ΔV ; the difference between time cursors ΔT ; $1/\Delta T$ 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			
	Data Deal		CH+/- CH2, CH1x CH2, CH1/CH2, FFT, Invert			
Meter Mode	Internal Storage		15 Waveforms and Setups			
	Maximum Resolution		6,000 Counts			
	DMM Testing Modes		Voltage, Current, Resistance, Capacitance,Diode & Continuity			
	Maximum Input Voltage		AC: 600V, DC: 800V			
	Maximum Input Current		AC: 10A, DC: 10A			
Signal Source Mode	Input Impedance		10 M Ω			
	Waveform Impedance		DC~25MHz			
	DAC Clock		2K~200MHz adjustable			
	Frequency Resolution		0.1%			
	Channel Count		1CH Waveform Output			
	Waveform Depth		4KSa			
	Vertical Resolution		12bit			
	Frequency Stability		<30ppm			
	Waveform Range		±3.5V Max.			
	Output Impedance		50 Ω			
	Output Current		50mA I _{peak} =50mA			
Measure Frequency Channel	System BW		25M			
	Harmonic Distortion		-50dBc(1KHz), -40dBc(10KHz)			
	Frequency Range		DC~60MHz			
	Input Range		400mVpp~18Vpp			
	Coupling Mode		DC			
	Frequency Measurement Accuracy		±Time Base Error ±1 Count			
Other	Input Impedance		>100K Ω			
	Type		Right angle 5.6", 16-digit color LCD			
	Resolution		640*480 dots		320*240 dots	
	Contrast		16 gears, with the progress bar to show adjustment			
	Interface		USB host and USB slave, RS232/Lan Optional			
	Voltage		DC Input:12~17VDC, 1500mA			
	Size & Weight		245 x 163 x 52 (mm); 1.3KG (exclusive of packing and accessories)			

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