



# 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	DSO8202E	DSO8152E	DSO8102E	DSO8072E	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	2M			32K	
	Time Base Range	5ns/div~1000s/div				
	Time Base Precision	±50ppm				
Vertical	Input Impedance	Resistance: 1M; Capacitance: 15pF				
	Input Sensitivity	2mV to 100V/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 $\Delta V$ ; the difference between time cursors $\Delta T$ ; $1/\Delta T$ 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				
Signal Source Mode	Maximum Input Current	AC: 10A, DC: 10A				
	Input Impedance	10 MΩ				
	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.				
Measure Frequency Channel	Output Impedance	50 Ω				
	Output Current	50mA I peak=50mA				
	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	>100KΩ				
	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				
Size & Weight	Voltage	DC Input: 12~17VDC, 1500mA				
	Size & Weight	245 x 163 x 52 (mm); 1.3KG (exclusive of packing and accessories)				