

## Handheld Oscilloscope

Isolated Channels, 1GSa/s, 200/120/60MHz

# DSO1000S Series



## Feature

- Isolated level: 1000V CATII, 600V CATIII.
- 1GSa/s sample rate. High Bandwidth 60MHz-200MHz Oscilloscope,
- 6000 Counts DMM with analog bargraph.1M Memory Depth, High Refresh Rate (2500 frames).
- Large 5.6 inch Color LCD Display, High Resolution (640\*480).
- 32 kinds of automotive measurement and FFT analysis.
- USB Host/Device 2.0 full-speed interface, LAN Optional.

Specifications		DSO1202S	DSO1152S	DSO1122S	DSO1062S
Horizontal	Model	DSO1202S	DSO1152S	DSO1122S	DSO1062S
	Bandwidth	200MHz	150MHz	120MHz	60MHz
	Real-time Sample Rate	1GSa/s			
	Equivalent Sample Rate	25GSa/s			
	Rise Time at BNC	≤1.7ns	≤2.3ns	≤2.9ns	≤5.8ns
Vertical	Time/div Range	2ns/div-40s/div		4ns/div-40s/div	
	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)			
	Record Length (Sample Points)	Single-channel: Maximum 1M; Dual-channel:Maximum 512K			
Trigger	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 Sensitivity (Edge Trigger Type)	DC: 1div from DC to 10MHz, 1.5div from 10MHz to 100MHz, 2div from 100MHz to 200MHz; AC: Attenuates signals below 10Hz; HF Reject: Attenuates signals above 80kHz; LF Reject: The same as DC coupling limit when frequency above 150kHz; Attenuates signals when below 150kHz.			
	Trigger Level Range	CH1,CH2: ±8 divisions from center of screen			
	Hold off Range	100ns-10s			
	Trigger Level Accuracy,typical (Accuracy is for signals having rise and fall times ≥20ns)	CH1,CH2: ±(0.3div×V/div) (within ±4 divisions from center of screen)			
	Edge Trigger	Trigger on the rising or falling edge			
	Video Trigger	Trigger on an NTSC, PAL, or SECAM standard video signal Line Range: 1-525 (NTSC), 1-625 (PAL/SECAM)			
	Slope Trigger	Trigger (when >, <, =, ≠) on a positive or negative slope Set Time: 20ns-10s			
	Overtime Trigger	From the rising or falling edge Set Time: 20ns-10s			
	Alternate Trigger	Internal trigger on edge, pulse width, video or slope Manual: The difference between voltage cursors ΔV; The difference between time cursors ΔT; Reciprocal of ΔT in Hertz (1/ΔT).			
Measurement	Cursors	Tracing: The voltage and time at a waveform point. Frequency, Period, Mean, Pk-Pk, Cycli RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Preiod Mean, Preiod RMS, FOVShoot, RPRESHOOT, BWIDTH, FRF, FFR, LRR, LRF, LFR, LFF			
	Automatic	DC, AC or GND 1MΩ±2% for 20pF±3 pF 1X, 10X, 1X, 10X,100X, 1000X CAT I and CAT II: Installation type: 300VRMS(10×); CAT III: 150VRMS(1×) 600V CATIII, 1000V CAT II 600V CATIII, 1000V CAT II 1000V 400V CAT II 600V CATIII, 1000V CAT II			
	Input	6,000 Counts Voltage, Current, Resistance, Capacitance, Diode & Continuity AC: 10A, DC: 10A 10 MΩ			
Meter mode	Display Type	5.6 inch 16-digit color LCD			
	Display Resolution	640*480 dots			
General Feature	Display Contrast	16 gears, with the progress bar to show adjustment			
	Interface	USB host and USB slave, LAN Optional			
	Voltage	DC Input:12-17VDC, 1500mA			
	Size	245 x 163 x 52 (mm)			
	Weight	1.3kg			