

Handheld Oscilloscope

1GSa/s, 200MHz, 2M, Oscilloscope/DMM/Recorder
DSO1000E Series



Feature

- 1GSa/s sample rate.
- High Bandwidth 70MHz-200MHz Oscilloscope,
- 2M Memory Depth, High Refresh Rate (2500 frames).
- 6000 Counts DMM with analog bargraph.
- Large 5.6 inch Color LCD Display, High Resolution (640*480).
- 32 kinds of automotive measurement and FFT analysis.

Specification

	Model	DSO1072E	DSO1102E	DSO1152E	DSO1202E
Horizontal	Channel	2 Channel			
	Real-time Sample Rate	1GSa/s			
	Bandwidth	70MHz	100MHz	150MHz	200MHz
	Rise Time at BNC	5ns	3.5ns	2.3ns	1.7ns
	Time/div Range	4ns/div~2ks/div			2ns/div~2ks/div
Vertical	A/D Converter	8bit			
	Volts/div Range	2mV/div~100V/div			
	Position Range	±50V(5V/div); ±40V(2V/div ~ 500mV/div); ±2V(200mV/div ~ 50mV/div); ±400mV(20mV/div ~ 2mV/div)			
	Record Length	2M			
	DC Gain Accuracy	±4% for Sample or Average acquisition mode, 5mV/div to 2mV/div ±3% for Sample or Average acquisition mode, 100V/div to 10mV/div			
Trigger	Trigger Sensitivity (Edge Trigger Type)	DC: 1div from DC to 10MHz, 1.5div from 10MHz to 100MHz, 2div from 100MHz to full; 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)	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			
	Slope Trigger	Line Range: 1-525 (NTSC), 1-625 (PAL/SECAM)			
	Overtime Trigger	Trigger (when >, <, =, ≠) on a positive or negative slope Set Time: 20ns~10s			
	Alternate Trigger	From the rising or falling edge Set Time: 20ns-10s			
Measurement	Cursors	Internal trigger on edge, pulse width, video or slope			
	Automatic	Manual: The difference between voltage cursors ΔV ; The difference between time cursors ΔT ; Reciprocal of ΔT in Hertz (1/ ΔT). 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			
Input	Input Coupling	DC, AC or GND			
	Input Impedance, DC coupled	1M Ω ±2% for 20pF±3 pF			
	Probe Attenuation	1X, 10X,			
	Supported Probe Attenuation Factor	1X, 10X, 100X, 1000X			
Meter mode	Max. Input Voltage	CAT I and CAT II: Installation type: 300VRMS(10×); CAT III: 150VRMS(1×)			
	Max. Resolution	6,000 Counts			
	DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity			
	Max. Input Current	AC: 10A, DC: 10A			
General Feature	Input Impedance	10 M Ω			
	Display	5.6 inch 16-digit color LCD; 640*480 dots; 16 gears, with the progress bar to show adjustment			
	Interface	USB host and USB slave, LAN Optional			
	Voltage	DC Input: 12~17VDC, 1500mA			
	Size	260 x 220 x 75 (mm)			
	Weight	2.5kg (Without Package)			