

Handheld Oscilloscope

1GSa/s, 200MHz, 2GB Flash, Video Help

DSO1000B(V) Series



Feature

- 60MHz-200MHz 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 inch 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
- Built in Video Help and 4G SD flash memory within DSO1000BV Series.

Specifications

Model		DSO1202B DSO1202BV	DSO1102B DSO1102BV	DSO1062B DSO1062BV
Horizontal	Bandwidth	200MHz	100MHz	60MHz
	Real-time Sample Rate	1GSa/s		
	Equivalent Sample Rate	25GSa/s		
	Rise Time at BNC	≤1.7ns	≤3.5ns	≤5.8ns
	Time/div Range	2ns/div-40s/div	4ns/div-40s/div	
Vertical	A/D Converter	8-bit resolution		
	Volts/div Range	2mV/div ~ 5V/div at input BNC ±50V(5V/div); ±40V(2V/div ~ 500mV/div);		
	Position Range	±2V(200mV/div ~ 50mV/div); ±400mV(20mV/div ~ 2mV/div)		
	Record Length (Sample Points)	Single-channel: Maximum 1M; Dual-channel: Maximum 512K		
	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: 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)	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		
Measurement	Overtime Trigger	From the rising or falling edge Set Time: 20ns-10s		
	Alternate Trigger	Internal trigger on edge, pulse width, video or slope		
	Cursors	Manual: The difference between voltage cursors ΔV ; The difference between time cursors ΔT ; Reciprocal of ΔT in Hertz ($1/\Delta T$).		
	Automatic	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, RPRESshoot, BWIDTH, FRF, FFR, LRR, LRF, LFR, LFF		
Input	Input Coupling	DC, AC or GND		
	Input Impedance, DC coupled	1MΩ±2% for 20pF±3 pF		
	Probe Attenuation	1X, 10X,		
Meter mode	Supported Probe Attenuation Factor	1X, 10X, 100X, 1000X		
	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		
General Feature	Max. Input Current	AC: 10A, DC: 10A		
	Input Impedance	10 MΩ		
	Display	5.6 inch 16-digit color LCD; 640*480 dots; adjustable (16 gears) with the progress bar		
	Interface	USB host and USB slave, LAN Optional		
	Voltage	DC Input: 12--17VDC, 1500mA		
	Size & Weight	245 x 163 x 52 (mm) ; 1.3kg		