

Performance Specifications

Model		SDS1022	SDS1052	SDS1102
Bandwidth		20MHz	50MHz	100MHz
Sample Rate		100MS/s	500MS/s	1GS/s
Horizontal Scale (s/div)		5ns/div - 100s/div, step by 1 - 2 - 5	2ns/div - 100s/div, step by 1 - 2 - 5	
Rise Time (at input, typical)		≤17.5ns	≤7ns	≤3.5ns
Channel		2		
Display		7" color LCD, 800 x 480 pixels		
Input Impedance		1MΩ ± 2%, in parallel with 20pF±5pF		
Channel Isolation		50Hz : 100 : 1, 10MHz : 40 : 1		
Max Input Voltage		400V (PK - PK) (DC+AC, PK - PK)		
DC Gain Accuracy		±3%		
Record Length		10K		
DC Accuracy (average)		Average≥16 : ±(3% reading + 0.05 div) for ΔV		
Probe Attenuation Factor		1X, 10X, 100X, 1000X		
LF Respond (AC, -3dB)		≥10Hz (at input, AC coupling, -3dB)		
Sample Rate / Relay Time Accuracy		±100ppm		
Interpolation		sin (x) / x		
Interval (ΔT) Accuracy (full bandwidth)		Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm x reading + 0.4ns)		
Input Coupling		DC, AC , and GND		
Vertical Resolution (A/D)		8 bits (2 channels simultaneously)		
Vertical Sensitivity		5mV/div - 5V/div (at input)		
Trigger Type		Edge, Video		
Trigger Mode		Auto, Normal, and Single		
Trigger Level		±5 divisions from screen center		
Line / Field Frequency (video)		NTSC, PAL and SECAM standard		
Cursor Measurement		ΔV, and ΔT between cursors		
Automatic Measurement		Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B , Delay A→B		
Waveform Math		+, -, x, ÷, invert, FFT		
Waveform Storage		16 waveforms		
Lissajous Figure	Bandwidth	full bandwidth		
	Phase Difference	±3 degrees		
Communication Interface		USB host, USB device		
Frequency Counter		available		
Power Supply		100V - 240V AC, 50/60Hz, CAT II		
Power Consumption		<15W		
Fuse		2A, T class, 250V		
Dimension (W x H x D)		301 x 152 x 70 mm		
Device Weight		1.10 kg		

Specifications subject to change without prior notice.

+ Accessories

The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



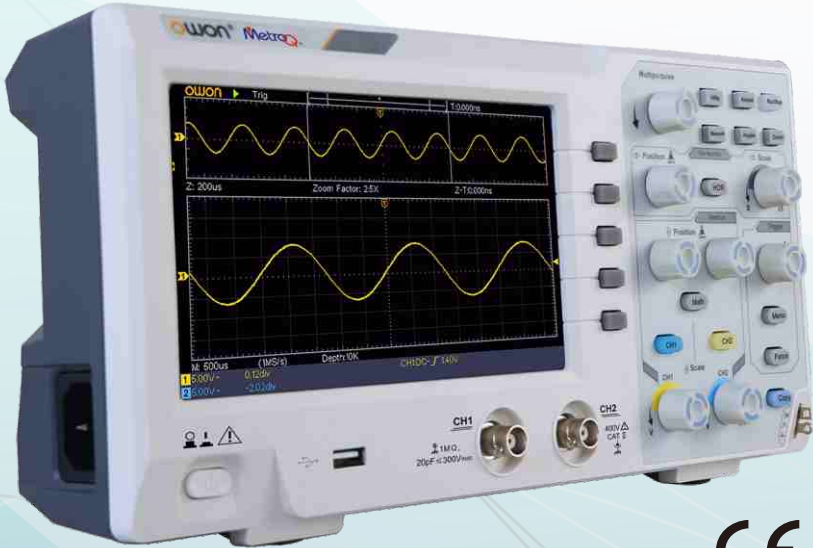
Probe



Probe Adjust



Soft Bag (optional)

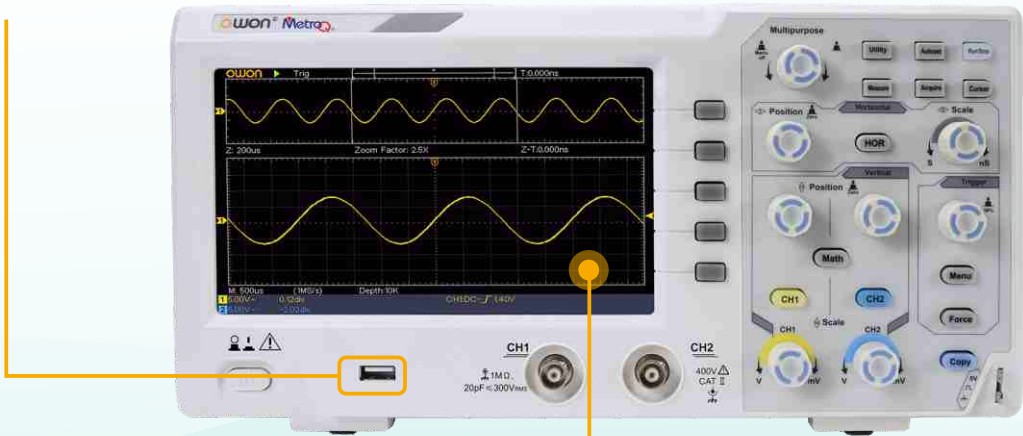


SDS1000 Series
Super- economical Type Digital Storage Oscilloscope

- + Bandwidth : 20MHz - 100MHz
- + 2-Channel
- + Sample rate : 100MS/s - 1GS/s
- + Ultra-thin body
- + 7 inch high resolution LCD
- + SCPI, and LabVIEW supported



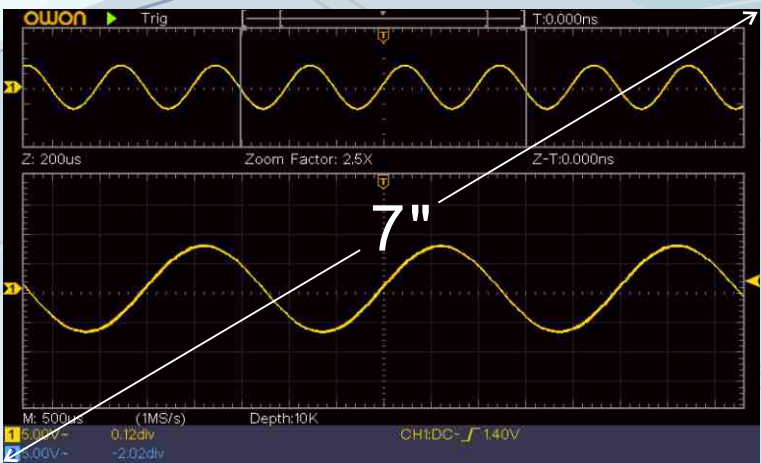
friendly USB CI location



ultra-thin device body,
assures super portability.

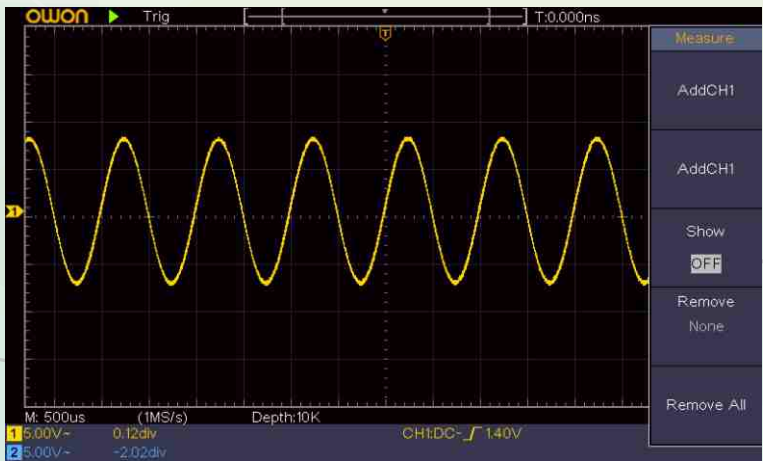
sided power socket better suit for
industrial environment measurement.

large display



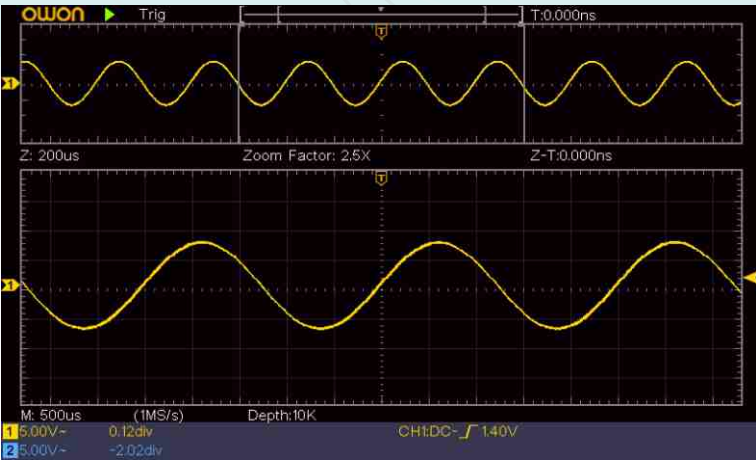
friendly UI interaction

easy-accessible operation menu
gets you to the result conveniently.



windows extension

small window for waveform outline;
large window for waveform details.



snapshot

one click, to get access to
30 auto-measurement options.

