



## SDS1000 Series

**super- economical type digital storage oscilloscope**

- + Bandwidth : 20MHz - 200MHz
- + 2-Channel
- + Sample rate : 100MS/s - 1GS/s
- + Ultra-thin body
- + 7 inch high resolution LCD
- + SCPI, and LabVIEW supported

### + Performance Specifications

Model	SDS1022	SDS1052	SDS1102	SDS1202
Bandwidth	20MHz	50MHz	100MHz	200MHz
Sample Rate	100MS/s	500MS/s	1GS/s	
Horizontal Scale (s/div)	5ns/div - 1000s/div, step by 1 - 2 - 5		2ns/div - 1000s/div, step by 1 - 2 - 5	
Rise Time (at input, typical)	≤17.5ns	≤7ns	≤3.5ns	≤1.7ns
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, area, cycle area	
Waveform Math	+, -, x, ÷, invert, FFT	
Waveform Storage	16 waveforms	
Lissajous	Bandwidth	Full bandwidth
Figure	PhaseDifference	±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.

### + Application

electronic circuit debugging  
education and training

circuit testing

design and manufacture

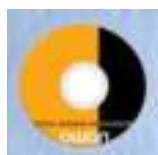
automobile maintenance and testing

### + Accessories

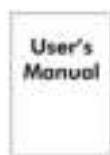
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust



Soft Bag (optional)