



+ Performance Specifications

Model	SDS5052E
Bandwidth	50MHz
Sample Rate	500MS/s
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤7ns
Channel	2 + 1 (external)
Display	8" color LCD, 800× 600 pixels
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (DC + AC peak)
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)	≥ 10 Hz (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 × reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm × reading + 0.4ns)
Input Coupling	DC, AC , and GND
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Vertical Sensitivity	5mV/div - 10 V/div (at input)
Digital Filtering	low-pass, high-pass, band-pass, and band-reject

Model		SDS052E
Trigger Type		Edge, Pulse, Video, Slope, and Alternate
Trigger Mode		Auto, Normal, and Single
Trigger Level		±6 divisions from screen center
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard
Cursor Measurement		ΔV, and ΔT between cursors
Automatic Measurement		Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, -Width, +Duty, -Duty,
Waveform Math		+, -, *, /, invert, FFT
Waveform Storage		15 waveforms
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface		USB host, USB device, Pass / Fail, LAN, and VGA (optional)
Frequency Counter		available
Power Supply		100V - 240V AC, 50/60Hz, CAT II
Power Consumption		<18W
Fuse		2A, T class, 250V
Battery		not supported
Dimension (W x H x D)		348 x 170 x 78 (mm)
Device Weight		1.50 kg

Specifications subject to change without prior notice.

+ Application

- electronic circuit debugging
education and training
- circuit testing
automobile maintenance and testing
- design and manufacture

+ Accessories

The accessories subject to final delivery.

Power Cord

CD Rom

Manual

USB Cable

Probe

Probe Adjust

Soft Bag (optional)