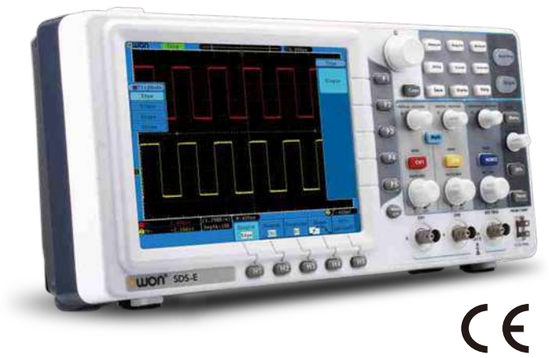
SDS-E Series 2G economical type digital storage oscilloscope



- Bandwidth : 30MHz - 125MHz
- Sample rate : 500MS/s - 1GS/s
- Ultra-thin body
- 8 inch high resolution LCD
- Pass / Fail function
- SCPI, and LabVIEW supported
- newly added function - **digital filtering**, and current measurement (excl. SDS5032E and SDS5052E)

+ Performance Specifications

Model	SDS5032E	SDS5052E	SDS6062E	SDS7072E	SDS7102E	SDS7122E
Bandwidth	30MHz	50MHz	60MHz	70MHz	100MHz	125MHz
Sample Rate	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)	≤11ns	≤7ns	≤5.8ns	≤5ns	≤3.5ns	≤2.8ns
Channel	2 + 1 (external)					
Display	8" color LCD, 800 x 600 pixels					
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF		1MΩ ± 2%, in parallel with 15pF ± 3pF			
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1					
Max Input Voltage	400V (DC + AC peak)					
DC Gain Accuracy	±3%					
Record Length	10K		1M (optional 10M)			
DC Accuracy (average)	average≥16 : ±(3% reading + 0.05 div) for △V					
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 (△T) 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 - 10V/div (at input)		2mV/div - 10V/div (at input)			
Digital Filtering	low-pass, high-pass, band-pass, and band-reject					

Model		SDS5032E	SDS052E	SDS6062E	SDS7072E	SDS7102E	SDS7122E
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		△V, and △T 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 circuit testing design and manufacture
education and training automobile maintenance and testing

+ Accessories

The accessories subject to final delivery.

Power Cord CD Rom Manual USB Cable Probe Probe Adjust Soft Bag (optional)