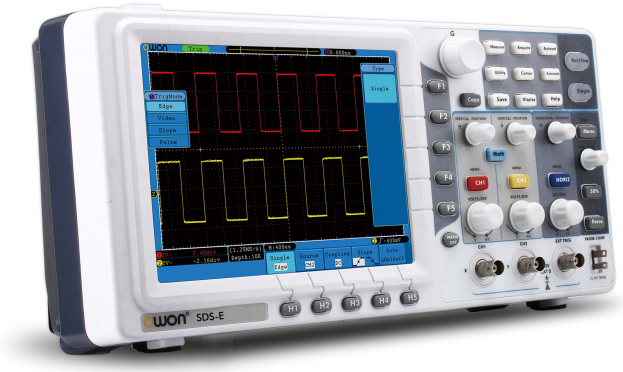

SDS-E Series

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 (real time)	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 × 600 pixels					
Input Impedance	1MΩ ± 2%, in parallel with 15pF±5pF		1MΩ ± 2%, in parallel with 15pF±3pF			
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		1M	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			

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, 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		+, -, ×, ÷, 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)
Cymometer		available
Power Supply		100V - 240V AC, 50/60Hz, CAT Ⅱ
Power Consumption		＜18W
Fuse		2A, T class, 250V
Battery		not supported
Dimension (W×H×D)		348 × 170 × 78 (mm)
Weight (without package)		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)