



Smart DS Series

Deep Memory Digital Storage Oscilloscope

- + Bandwidth : 60MHz - 300MHz with dual-channel
- + Sample rate : 500MS/s - 3.2GS/s
- + 10M record length for each channel
- + Smart design with easy portability
- + Large 8 inch 800 x 600 pixels LCD
- + LAN remote control
- + Multi-function : auto-scale, Pass / Fail, current-measuring, and **digital filtering**
- + SCPI, and LabVIEW supported
- + newly added function - PictBridge (only in SDS8102)
- + Optional **BATTERY** available



+ Performance Specifications

Model	SDS6062	SDS7072	SDS7102	SDS7202	SDS8102	SDS8202	SDS8302	SDS9302
Bandwidth	60MHz	70MHz	100MHz	200MHz	100MHz	200MHz	300MHz	
Sample Rate	500MS/s	1GS/s			2GS/s		2.5GS/s	3.2GS/s
Horizontal Scale (s/div)	5ns/div ~ 100s/div, step by 1~2~5	2ns/div ~ 100s/div, step by 1~2~5			1ns/div ~ 100s/div, step by 1~2~5			
Rise Time	≤5.8ns	≤5ns	≤3.5ns	≤1.7ns			≤1.17ns	
Display	8"color LCD, 800 x 600 pixels							
Channel	2 + 1 (external)							
Record Length	10M							
Input Coupling	DC, AC, and GND							
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF							
Channel Isolation	50MHz : 100 : 1, 10MHz : 40 : 1							
Max Input Voltage	400V (DC + AC Peak)							
DC Gain Accuracy	±3%							
DC Accuracy	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)							
Sampling 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)							
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)							

Vertical Sensitivity	2mV/div~10V/div	
Trigger Type	Edge, Pulse, Video, Slope, and Alternate	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	±6 divisions from screen center	
Acquisition modes	Sample, Peak Detect, and Average	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard	
Cursor Measurement	ΔV , and ΔT between cursors	
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, 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, VGA (optional), or RS232 (optional)	
Cymometer	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 24W	
Fuse	2A, T class, 250V	
Battery (optional)	7.4V, 8000mA	
Dimension (W × H × D)	340 × 155 × 70 (mm)	
Weight (without package)	1.80 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

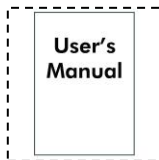
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust



Battery
(optional)



Soft Bag
(optional)