



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		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 circuit testing design and manufacture
education and training automobile maintenance and testing

+ Accessories

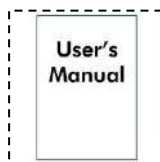
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust



Battery
(optional)



Soft Bag
(optional)