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
+ Multi-function : auto-scale, Pass / Fail, and current-measuring
+ Supported SCPI
+ LAN remote control
+ Smart design with easy portability
+ Large 8 inch 800 x 600 pixels display
+ Optional battery available

CE

VGA LAN USB WAVE RECORD FFT

+ Performance Specifications

Model	SDS6062	SDS7072	SDS7102	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, 65535 colors						
Channel	2 + 1 (external)						
Record Length	10M						
Input Coupling	DC, AC, and GND						
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF						
Channel Isolation	50MHz : 100 : 1, 10MHz : 40 : 1						
Max Input Voltage	400V (PK - PK) (DC + AC, PK - PK)						
DC Gain Accuracy	±3%						
DC Accuracy	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)						
Sampling 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)						
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)						
Vertical Sensitivity	2mV/div - 10V/div						

Model		SDS6062	SDS7072	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Trigger Type		Edge, Pulse, Video, Slope, Alternate						
Trigger Mode		Auto, Normal, Single						
Trigger Level		±6 divisions from screen center						
Acquisition mode		Sample, Peak Detect, and Average						
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, Duty cycle						
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)						
Frequency Counter		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)