SDS1000 Series Oscilloscopes Technical Specifications

Performance Characteristics	Instruction	
Bandwidth	SDS1022	20 MHz
	SDS1052	50 MHz
	SDS1102	100 MHz
	SDS1202	200 MHz
Rise Time（at input, typical）	SDS1022	≤ 17.5 ns
	SDS1052	≤ 7.0 ns
	SDS1102	≤ 3.5 ns
	SDS1202	≤ 1.75 ns
Horizontal Scale	SDS1022	5 ns/div – 1000 s/div, step by 1 – 2 - 5
	SDS1052 SDS1102 SDS1202	2 ns/div – 1000 s/div, step by 1 – 2 - 5
Sample rate (real time)	SDS1022	100 MS/s
	SDS1052	500 MS/s
	SDS1102 SDS1202	1 GS/s
Display	7" Colored LCD (Liquid Crystal Display),65536 colors, 800 x 480 pixels	
Channel	2 channels	
Max Record length	10K	
Sampling rate / relay time accuracy	±100 ppm	
Input coupling	DC, AC , Ground	
Input impedance	1 MΩ±2%, in parallel with 20 pF±5 pF	
Max. input voltage	400V (DC+AC, PK - PK)	
DC Gain Accuracy	±3%	
Vertical Sensitivity	5 mV/div – 5 V/div	
Trigger type	Edge, Video	
Trigger mode	Auto, Normal, Single	
Line/field frequency (Video)	Support standard NTSC, PAL and SECAM broadcast systems	
Automatic measurement	Period, Frequency, Mean, PK-PK, RMS, Max, Min, Top, Base, Amplitude, Overshoot, Preshoot, Rise Time, Fall Time, +PulseWidth, -PulseWidth, +Duty Cycle, -Duty Cycle, Delay A→B ⏋, Delay A→B ⏌, Cycle RMS, Cursor RMS, Screen Duty, Phase, +PulseCount, -PulseCount, RiseEdgeCnt, FallEdgeCnt, Area, and Cycle Area.	
Waveform Math	＋, －, ×, ÷, FFT	
Waveform storage	16 waveforms	
Communication interface	USB 2.0, USB flash disk storage	
Power supply	100 - 240 VACRMS，50/60 Hz，CAT Ⅱ	
Fuse	2 A, T class, 250 V	

Mechanical Specifications

Dimension	301 mm× 152 mm×70 mm (L*H*W)
Weight	About 1.1 kg