SDS1000 Four-Channel Series Oscilloscopes Technical Specifications

Performance Characteristics	Instruction
Bandwidth	100 MHz
Rise Time（at input, typical）	≤ 3.5 ns
Horizontal Scale	2 ns/div – 1000 s/div, step by 1 – 2 - 5
Sample rate (real time)	1 GS/s
Display	7" Colored LCD (Liquid Crystal Display),65536 colors, 800 x 480 pixels
Channel	4 channels
Max Record length	20K
Sampling rate / relay time accuracy	±100 ppm
Input coupling	DC, AC , Ground
Input impedance	1 MΩ±2%, in parallel with 15 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, +Pulse Width, -Pulse Width, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, +Duty Cycle, -Duty Cycle, Delay A→B 卐, Delay A→B 卍, Cycle RMS, Cursor RMS, Screen Duty, Phase A→B 卐, Phase A→B 卍,+Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count, Area, and Cycle Area.
Waveform Math	＋, －, ×, ÷, FFT
Waveform storage	16 waveforms
Communication interface	USB 2.0 (USB 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

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