

## SDS1000 Four-Channel Series Oscilloscopes Technical Specifications

Performance Characteristics	Instruction
<b>Bandwidth</b>	100 MHz
<b>Rise Time (at input, typical)</b>	≤ 3.5 ns
<b>Horizontal Scale</b>	2 ns/div – 1000 s/div, step by 1 – 2 - 5
<b>Sample rate (real time)</b>	1 GS/s
<b>Display</b>	7" Colored LCD (Liquid Crystal Display),65536 colors, 800 x 480 pixels
<b>Channel</b>	4 channels
<b>Max Record length</b>	20K
<b>Sampling rate / relay time accuracy</b>	±100 ppm
<b>Input coupling</b>	DC, AC , Ground
<b>Input impedance</b>	1 MΩ±2%, in parallel with 15 pF±5 pF
<b>Max. input voltage</b>	400V (DC+AC, PK - PK)
<b>DC Gain Accuracy</b>	±3%
<b>Vertical Sensitivity</b>	5 mV/div – 5 V/div
<b>Trigger type</b>	Edge, Video
<b>Trigger mode</b>	Auto, Normal, Single
<b>Line/field frequency (Video)</b>	Support standard NTSC, PAL and SECAM broadcast systems
<b>Automatic measurement</b>	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 $\frac{\mu}{\mu}$ , Delay A→B $\frac{\mu}{\mu}$ , Cycle RMS, Cursor RMS, Screen Duty, Phase A→B $\frac{\mu}{\mu}$ , Phase A→B $\frac{\mu}{\mu}$ , +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count, Area, and Cycle Area.
<b>Waveform Math</b>	+, -, ×, ÷, FFT
<b>Waveform storage</b>	16 waveforms
<b>Communication interface</b>	USB 2.0 (USB storage)
<b>Power supply</b>	100 - 240 VACRMS, 50/60 Hz, CAT II
<b>Fuse</b>	2 A, T class, 250 V

### Mechanical Specifications

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



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V1.0.0