



SDS3000 Series

Digital Oscilloscope

- 100 MHz / 150 MHz / 200 MHz bandwidth options
- Dual-channel, 1 GSa/s real-time sampling rate
- 20 Mpts memory depth
- Multiple trigger modes: Edge, Video, Pulse Width, and Slope
- Versatile functions: FFT Spectrum Analyzer, Frequency Counter, X-Y Mode, Cursor Measurement (with Auto Cursor support)
- 30 types of automatic measurements, customizable, with one-click display
- Ultra-thin body design, USB Type-C power supply for easy field use
- USB Host & Device: supports PC connectivity and standard SCPI remote control commands
- 7-inch High-resolution TFT LCD display

+ Specifications

Model	SDS3102	SDS3152	SDS3202
Bandwidth	100MHz	150MHz	200MHz
Channel	2		
Sample rate	1GSa/s		
Acquire mode	Sample, Peak, Average		
Input coupling	DC, AC, Ground		
Input impedance	1 M Ω ±2%, in parallel with 12 pF±5 pF		
Input coupling	1X, 10X, 100X, 1000X		
Max Record length	20M		
Scanning speed (S/div)	2 ns/div – 1000 s/div, step by 1 – 2 – 5		
Vertical Sensitivity	2mV/div ~ 10 V/div		
Max. input voltage	400V (DC+AC, PK - PK)		
Bandwidth limit	20 MHz, full bandwidth		
Sampling rate / relay time accuracy	±100 ppm		
Displacement	±2 V (2 mV/div – 200 mV/div) ; ±100 V (500 mV/div – 10 V/div)		
Waveform inverted	support		
Automatic	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 $\overline{\Phi}$, Delay A→B $\overline{\Psi}$, Cycle RMS, Cursor RMS, Screen Duty, Phase, +PulseCount, -PulseCount, RiseEdgeCnt, FallEdgeCnt, Area, and Cycle Area		
Waveform Math	+, -, ×, ÷, FFT		
Waveform storage	16 waveforms		
Trigger Type	edge, video, pulse, slope		
Communication port	USB 2.0		
Counter	Support		
Cursor	ΔV , ΔT , $\Delta T \& \Delta V$ between cursors, auto cursor		
Lissajous figure	Bandwidth: Full bandwidth ; Phase difference: ±3 degrees		
Display	7" (800 x 480)LCD		
Mains Voltage	Type-C power supply, DC: 5V 3A		
Dimension	260 mm× 160 mm×78 mm (W*D*H)		
Weight	Approx. 1.1 kg		

Specifications subject to change without prior notice.