XDS3000 Series

your powerful n-in-1 on-site measurement station

+ Performance Specifications

Model	XDS3062A	XDS3102A	XDS3202A*	XDS3102	XDS3202E	XDS3202*	XDS3302*
Bandwidth	60MHz	100MHz	200MHz	100MHz	200MHz		300MHz
Sample Rate	1GS/s			1GS/s		2GS/s	2.5GS/s
Vertical Resolution (A/D)	12 bits		14 bits	8 bits			
Record Length	40M						
Waveform Refresh Rate	75,000 wfms/s						
Horizontal Scale	2ns/div - 1000s/div		1ns/div - 1000s/div	2ns/div - 1000s/div	1ns/div - 1000s/div		
	step by 1 - 2 - 5						
Rise Time (at input, typical)	≤5.8ns	≤3.5ns	≤1.7ns	≤3.5ns	≤1.7ns		≤1.17ns
Channel	2+1 (external)						
Display	8" color LCD, 800 x 600 pixels						
Input Impedance	1MΩ ± 2 %, in parallel with 15pF ± 5pF; (*50Ω ± 2%)						
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1						
Max Input Voltage	1MΩ ≤ 300Vrms; 50Ω ≤ 5Vrms						
DC Gain Accuracy	±1.5%			±3%			
DC Accuracy	average ≥ 16: ±(3% reading + 0.05 div) for △V						
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5						
LF Respond (AC,-3dB)	≥10Hz (at input, AC coupling, -3dB)						
Sample Rate / Relay Time Accuracy	±1ppm						
Interpolation	sin(x)/x, x						
Interval (△T) Accuracy (fullbandwidth)	Single: ±(1 interval time + 1ppm x reading + 0.6ns); Average > 16: ±(1 interval time + 1ppm x reading + 0.4ns)						
Input Coupling	DC, AC, and GND						
Vertical Sensitivity	1mV/div - 10V/div (at input)						
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I²C, SPI, RS232, and CAN (optional)						
Bus Decoding (optional)	I²C, SPI, RS232, and CAN						
Trigger Mode	Auto, Normal, and Single						
Vertical Range	±2V (1mv/div - 50mv/div), ±20V (100mv/div - 1V/div), ±200V (2V/div - 10V/div)						
Line / Field Frequency (video)	NTSC, PAL and SECAM standard						
Cursor Measurement	△V, and △T between cursors, △V and △T between cursors, and auto- cursors						
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B⌈, Delay A→B⌉, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count						
Waveform Math	+, -, *, /, FFT						
Waveform Storage	100 waveforms						
Lissajou's Figure — Bandwidth	full bandwidth						
Lissajou's Figure — Phase Difference	±3 degrees						
Communication Interface	USB host, USB device, USB port for PictBridge, Trig Out (P/F), LAN, and VGA (optional)						
Frequency Counter	available						
Power Supply	100 - 240 V AC, 50/60Hz, CAT II						
Power Consumption	<15W						
Fuse	2A, T class, 250V						
Battery (optional)	3.7V, 13200mAh						
Dimension (W x H x D)	340 x 177 x 90 (mm)						
Device Weight	2.60 kg						