

NEW 300MHz bandwidth 8" Touch Screen Digital Oscilloscope **XDS3302**



+ Performance Specifications

Model	XDS3302
Bandwidth	300MHz
Sampling Rate	2.5GS/s
Vertical Resolution (A/D)	8 bits
Record Length	40M
Waveform Refresh Rate	75,000 wfms/s
Horizontal Scale	1ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤1.17ns
Channel	2+1 (external)
Display	8" color LCD, 800 x 600 pixels
Input Impedance	1MΩ ± 2 %, in parallel with 15pF ± 5pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	1MΩ ≤ 300Vrms, 50Ω ≤ 5Vrms
DC Gain Accuracy	±3%
DC Accuracy	average ≥ 16: ±(3% reading + 0.05 div) for ΔV
LF Respond (AC, -3dB)	≥10Hz
Sampling Rate / Relay Time Accuracy	±1ppm
Interpolation	sin(x)/x

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Interval (ΔT) Accuracy (fullbandwidth)		Single: $\pm(1 \text{ interval time} + 1 \text{ ppm} \times \text{reading} + 0.6 \text{ ns})$; Average > 16: $\pm(1 \text{ interval time} + 1 \text{ ppm} \times \text{reading} + 0.4 \text{ ns})$
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, I ² C, SPI, RS232
Trigger Mode		Auto, Normal, and Single
Line / Field Frequency (video)		NTSC, PAL and SECAM standard
Cursor Measurement		ΔV , and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors
Automatic Measurement		Vpp, Vavg, Vrms, Freq, Period, Peak 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, FFT rms, Intg, Diff, Sqrt, user-defined function, digital filter (low pass, high pass, band pass, band reject)
Waveform Storage		100 group
Lissajou's Figure	Bandwidth	full bandwidth
	Phase Difference	± 3 degrees
Communication Interface		USB host, USB device, USB port for PictBridge, TrigOut(P/F), LAN, and VGA
Frequency Counter		available
Power Supply		100 - 240 V AC, 50/60Hz, CAT II
Fuse		2A, T class, 250V
Battery		3.7V, 13200mAh
Dimension (w/h/d)		340 x 177 x 90 (mm)
Device Weight		2.60 kg

Specifications subject to change without prior notice.

+ Accessories The accessories subject to final delivery.

Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust