



XDS3000A Series - - Features and Benefits



- 12bit and 14bit high resolution ADC shows waveforms in detail
- Max to 200MHz bandwidth, 1GS/s sample rate with 40Mpt memory
- Low background noise, vertical sensitivity in 1mV/div~10V/div
- 3rd generation technology platform - Xvisual
- 8-inch 800 x 600 high resolution LCD(Touch Screen optional)
- Optional Multimeter/Arb Waveform Generator/Module/Decoding Kit functions
- Optional Battery pack

Main Specifications	Model	XDS3062A	XDS3102A	XDS3202A
	Bandwidth	60MHz	100MHz	200MHz
Sample Rate	1GS/s	1GS/s	1GS/s	
Vertical Resolution (A/D)	12 bits	12 bits	14bits	
Rise Time(at input, typical)	≤5.8ns	≤3.5ns	≤1.7ns	
Display	8 inch TFT LCD, 800 x 600 pixels(optional Touch Screen display)			
Horizontal Scale (s/div)	2ns/div~1000s/div , step by 1~2~5			1ns/div~1000s/div, step by 1~2~5
Input Impedance	1MΩ±2%,in parallel with 15pF±5pF			1MΩ ± 2%, in parallel with 15pF ± 5pF; 50Ω ± 2%
DC Gain Accuracy	±1%			
DC Accuracy	average≥16:±(3% reading+0.05 div) for ΔV			
Vertical Sensitivity	1 mV/div~10 V/div			
Record length	40M			
Waveform Refresh Rate	75,000 wfms/s			
Channel	2 + 1 (external)			
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1			
Max Input Voltage	1MΩ ≤ 300Vrms; 50Ω ≤ 5Vrms			
Probe Attenuation Factor	0.001X~1000X, step by 1~2~5			
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)			
Sample Rate / Relay Time Accuracy	±1ppm			
Interpolation	sin(x) / x			
Interval (ΔT) Accuracy (full bandwidth)	Single: ±(1 interval time+1ppm*reading+0.6ns); Average>16:±(1 interval time+1ppm*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			
Line / Field Frequency	NTSC, PAL and SECAM standard (video)			
Cursor Measurement	ΔV, and ΔT between cursors, ΔV and ΔT between cursors, auto-cursor			
Automatic Measurement	28 type			
Waveform Math	+, -, x, ÷, FFT			
Waveform Storage	100 waveforms			
Communication Interface	USB host, USB device, USB port for PictBridge, Trig Out (P/F), LAN, and VGA (optional)			
Frequency Counter	available			
Battery (optional)	3.7V, 13200mA			
Dimension (W*H*D)	340mm*177mm*90mm			
Weight	2.60 kg			