

Digital Oscilloscopes

GW INSTEK

GDS-1000A Series

- 150/100/60MHz Bandwidth.
- 2 Channels.
- 1GS/s Max Sample Rate.
- 2M Points Record Length.
- High Brightness TFT Colour Display.



AVAILABLE
TO BUY ONLINE

		GDS-1062A	GDS-1102A	GDS-1152A
Vertical	Channels Bandwidth Rise Time	2 DC~60MHz (-3dB) <5.8ns Approx.	2 DC~100MHz (-3dB) <3.5ns Approx.	2 DC~150MHz (-3dB) <2.3ns Approx.
	Sensitivity Accuracy Input Coupling Input Impedance Polarity Maximum Input Waveform Math Offset Range Bandwidth Limit	2mV/div ~ 10V/div (1-2-5 increments) $\pm(3\% \times \text{Readout} + 0.1 \text{ div} + 1\text{mV})$ AC, DC & Ground 1M Ω \pm 2%, 15pF Normal & Invert 300V (DC + AC Peak), CATII +, -, X, FFT, FFTrms 2mV/div ~ 50mV/div: \pm 0.4V; 10mV/div ~ 500mV/div: \pm 4V; 1V/div ~ 10V/div: \pm 40V 20MHz (-3dB)		
Trigger	Sources Modes Coupling Sensitivity	CH1, CH2, Line, EXT AUTO, NORMAL, SINGLE, TV, Edge, Pulse Width AC, DC, LF Rej, HF Rej, Noise Rej DC~25MHz: Approx 0.5div or 5mV 25MHz ~ 60/100/150MHz: Approx. 1.5div or 15mV		
EXT Trigger	Range Sensitivity Input Impedance Maximum Input	\pm 15V DC ~ 25MHz: 50mV; 25M ~ 60/100/150MHz: <100mV 1M Ω \pm 2%, ~15pF 300V (DC + AC Peak), CATII		
Horizontal	Range Modes Accuracy Pre-Trigger Post-Trigger	1ns/div ~ 50s/div (1-2-5 increments); ROLL: 250ms/div ~ 50s/div Main, Window, Window Zoom, Roll, X-Y \pm 0.01% 10 div Maximum 1000 div		
X-Y Mode	X Axis Input Y Axis Input Phase Shift	Channel 1 Channel 2 \pm 3° at 100kHz		



www.aspen-electronics.com sales@aspen-electronics.com

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		GDS-1062A	GDS-1102A	GDS-1152A
Signal Acquisition	Real Time Sample Rate	1GSa/s max		
	Equivalent Sample Rate	25GSa/s max		
	Vertical Resolution	8 Bits		
	Record Length	2MPts max		
	Acquisition Mode	Normal, Peak Detect, Average		
	Peak Detection	10ns (500ns/div ~ 50s/div)		
	Average	2, 4, 8, 16, 32, 64, 128, 256 Averages		
Cursors & Measurement	Voltage Functions	Vpp, Vamp, Vavg, Vrms, Vhi, Vlo, Vmax, Vmin, Rise Preshoot/Overshoot, Fall Preshoot/Overshoot		
	Time Functions	Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle		
	Delay Measurement	Eight Different Delay Measurements		
	Cursor Functions	Voltage Difference (ΔV), Time Difference (ΔT)		
	Auto Counter	Resolution : 6 Digits Accuracy : $\pm 2\%$ Signal Source: Trigger (Except Video Trigger Mode)		
Adjustable Probe Compensation Signal	Frequency Range	1kHz ~ 100kHz, 1kHz/STEP		
	Duty Cycle Range	5% ~ 95%, 5%/STEP		
Control Panel	Autoset	Vertical Scale, Horizontal Scale & Trigger Level Set Automatically		
	Save Setup Memories	Up to 15 Setups		
	Save Waveform Memories	Up to 15 Waveforms		
Display	Type	5.6" High Brightness TFT LCD		
	Display Resolution	320 x 234		
	Display Graticule	8 x 10 Divisions		
	Display Brightness	Adjustable		
Interface	USB	Both Host & Device Modes Supported, USB 2.0 Full Speed		
	SD Card Slot	Image (BMP) and Waveform Data (CSV) and Setup (SET)		
Power Source	Line Voltage Range	AC 100V ~ 240V, 48Hz ~ 63Hz, Auto Selection		
General	Dimensions	310mm (D) x 142mm (H) x 140mm (W)		
	Weight	2.5kg		

OPTIONS & ACCESSORIES

Accessories Included	User Manual, Power Cable, 2 x 60/100/150MHz Probes.
GTL-242	USB Cable.
GSC-006	Soft Carry Case for GDS-1000A Series Oscilloscopes