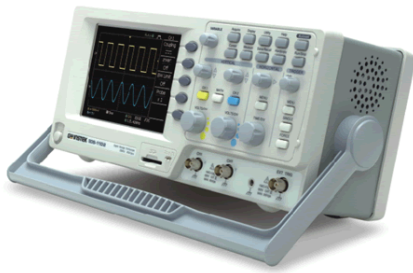


Digital Oscilloscopes

GW INSTEK

GDS-1000 Series

- 25/40/60/100MHz Bandwidth.
- 2 Channels.
- 250MSa/s Sample Rate with 25GSa/s Equivalent Time Sampling.
- Maximum 4k Points Record Length.
- High Brightness 5.6" TFT Colour Display.
- SD Memory Card Port for Data Storage.



AVAILABLE
TO BUY ONLINE

		GDS-1022	GDS-1042	GDS-1062	GDS-1102
Vertical	Channels Bandwidth Rise Time	2 DC~25MHz (-3dB) <14ns Approx.	2 DC~40MHz (-3dB) <8.75ns Approx.	2 DC~60MHz (-3dB) <5.8ns Approx.	2 DC~100MHz (-3dB) <3.5ns Approx.
	Sensitivity Accuracy Input Coupling Input Impedance Polarity Maximum Input Waveform Signal Process Offset Range Bandwidth Limit	2mV/div ~ 5V/div (1-2-5 increments) $\pm(3\% \times \text{Readout} + 0.1 \text{ div} + 1\text{mV})$ AC, DC & Ground 1M Ω \pm 2%, 16pF Normal & Invert 300V (DC + AC Peak), CATII +, -, FFT 2mV/div ~ 50mV/div: \pm 0.4V; 10mV/div ~ 500mV/div: \pm 4V; 1V/div ~ 5V/div: \pm 40V 20MHz (-3dB)			
Trigger	Sources Modes Coupling Sensitivity	CH1, CH2, Line, EXT Auto-Level, AUTO, NORMAL, SINGLE, TV, Edge AC, DC, LF Rej, HF Rej, Noise Rej DC~25MHz: Approx 0.5div or 5mV 25MHz ~ 40/60/100MHz: Approx. 1.5div or 15mV			
EXT Trigger	Range Sensitivity Input Impedance Maximum Input	\pm 15V \leq 30MHz: <50mV; >30MHz: <100mV 1M Ω \pm 2%, ~16pF 300V (DC + AC Peak), CATII			
Horizontal	Range Modes Accuracy Pre-Trigger Post-Trigger	1ns/div ~ 10s/div (1-2-5 increments); ROLL: 250ms/div ~ 10s/div Main, Window, Window Zoom, Roll, Scan, X-Y \pm 0.01% 20 div Maximum 1000 div			
X-Y Mode	X Axis Input Y Axis Input Phase Shift	Channel 1 Channel 2 \pm 3° at 100kHz			



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		GDS-1022	GDS-1042	GDS-1062	GDS-1102
Signal Acquisition	Real Time Sample Rate	250MSa/s max			
	Equivalent Sample Rate	25GSa/s E.T. max			
	Vertical Resolution	8 Bits			
	Record Length	4kPts max			
	Acquisition Mode	Normal, Peak Detect, Average			
	Peak Detection	10ns (500ns/div ~ 10s/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			
	Cursor Functions	Voltage Difference (ΔV), Time Difference (ΔT)			
	Auto Counter	Resolution : 6 Digits Accuracy : $\pm 2\%$ Signal Source: Trigger (Except Video Trigger Mode)			
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	234 x 320			
	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)			
Power Source	Line Voltage Range	AC 100V ~ 240V, 48Hz ~ 63Hz			
General	Dimensions	310mm (D) x 142mm (H) x 140mm (W)			
	Weight	2.5kg			
OPTIONS & ACCESSORIES					
Accessories Included		User Manual, Power Cable, 2 25/40/60/100MHz Probes.			
GTL-242		USB Cable.			