

New From Instek

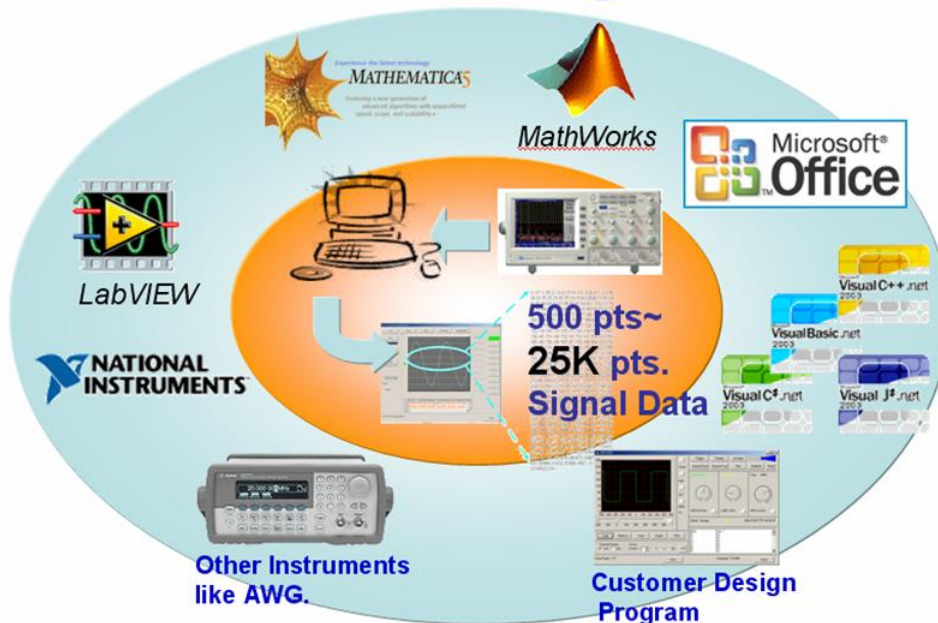
GDS-2000 Series



*200/ 100/ 60MHz
Digital Storage Oscilloscope*

GW INSTEK

Data Exchange



SPECIFICATIONS

		GDS-2062/2064	GDS-2102/2104	GDS-2202/2204
VERTICAL	Channels	2/4		2/4
	Bandwidth	DC – 60MHz (–3dB)		DC – 100MHz (–3dB)
	Rise time	5.8ns Approx.		3.5ns Approx.
	Sensitivity	2mV/div – 5V/div (1-2-5 increments)		
	Accuracy	$\pm (3\% \times \text{Readout} + 0.05 \text{ div} \times \text{Volts/div})$		
	Input Coupling	AC, DC & Ground		
	Input Impedance	1M \pm 2% , –16pF		
	Polarity	Normal & Invert		
	Maximum Input	300V (DC+AC peak), CATIII		
	Waveform Signal Process	+, – , x , \div , FFT		
	Offset Range	2mV/div – 20mV/div : $\pm 0.5V$; 50mV/div – 200mV/div: $\pm 5V$; 500mV/div – 2V/div : $\pm 50V$;5V/div : $\pm 300V$		
	Bandwidth Limit	20MHz (–3dB)		
TRIGGER	Sources	CH1 , CH2 , Line , EXT (2CH Only) / (CH3,CH4)		
	Modes	Auto-Level · AUTO · NORMAL · SINGLE · TV · Edge · Pulse Width		
	Coupling	Time-delay · Event-delay (2CH Only) AC · DC · LFrej · HFrej · Noise rej Sensitivity DC – 25MHz : Approx. 0.5div or 5mV 25M – 60/100/200MHz : Approx. 1div or 10mV		
EXT TRIGGER (2CH Only)	Range	$\pm 15V$		
	Sensitivity	DC – 30MHz : – 50mV ; 30M – 60/100/200MHz : –100mV		
	Input Impedance	1M Ω \pm 2% , – 16pF		
	Maximum Input	300V (DC+AC peak) , CATII		
HORIZONTAL	Range	1ns/div – 10s/div (1-2-5 increments); ROLL : 250ms/div – 10s/div		
	Modes	MAIN, WINDOW, WINDOW ZOOM, ROLL, X-Y		
	Accuracy	$\pm 0.01\%$		
	Pre-trigger	20 div maximum		
	Post-trigger	1000 div		
X-Y MODE	X-Axis Input	Channel 1		
	Y-Axis Input	Channel 2		
	Phase shift	$\pm 3^\circ$ at 100kHz		
SIGNAL ACQUISITION	Real-time Sa/s	1GSa/s maximum		
	Equivalent Sa/s	25GSa/s		
	Vertical Resolution	8 Bits		
	Record Length	25K Dots maximum		
	Single Shot Bandwidth	100MHz		
	Acquisition Mode	Sample, Peak Detect, Average, Accumulate		
	Peak Detection	10ns		
	Average	2 · 4 · 8 · 16 · 32 · 64 · 128 · 256		
CURSORS AND MEASUREMENT	Voltage Measurement	V_{pp} · V_{amp} · V_{avg} · V_{rms} · V_h · V_{lo} · V_{max} · V_{min} · Rise Preshoot/ Overshoot · Fall Preshoot/Overshoot		
	Time Measurement	Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle		
	Delay Measurement	Eight different delay measurement		
	Cursors Measurement	Voltage difference between cursors (ΔV) Time difference between cursors (ΔT)		
	Auto Counter	Resolution : 6 digits Accuracy : $\pm 2\%$ Signal Source: All available trigger source except the Video trigger mode		
CONTROL PANEL FUNCTION	Auto set	Adjust Vertical VOLT/DIV, Horizontal TIME/DIV, and Trigger level automatically		
	Save Setup	Up to 15 sets of measurement conditions		
	Save Waveform+ Template	8 sets of waveform		
DISPLAY	TFT LCD Type	5.6 inch		
	Display Resolution	234 (Vertically) x 320 (Horizontally) Dots		
	Display Graticule	8 x 10 divisions ; 8 x 12 divisions (menu off)		
	Display Brightness	Adjustable		
INTERFACE	GO/NO GO Output	Open Collector		
	RS-232 Interface	A DB 9-pin male DTE RS-232 interface		
	GPIB Interface (Option)	Fully programmable with IEEE488.2 compliance		
	USB	Host: Pen Drive · Printer ; Device : Support remote control		
POWER SOURCE	Line Voltage Range	100V – 240V AC 48Hz – 63Hz, Auto selection		
	Battery Power(Optional)	Battery : 10.8V Li Ion battery pack Charge Time : 12 hours from AC Line Operating Time : 3 hours , depending on operating condition		
MISCELLANEOUS	Multi-Language	Available		
	Menu On Line Help	Available		
	Real Time Clock	Display yy/mm/dd/hh/ss;Provide the Date/Time for saved data		
DIMENSIONS & WEIGHT	254Dx142Hx310W(mm), Approx. 4.3kg			

Specifications subject to change without notice. DS-2000GD0DH

Ordering Information

GDS-2062 60MHz, 2-channel, Color LCD Display DSO
GDS-2064 60MHz, 4-channel, Color LCD Display DSO
GDS-2102 100MHz, 2-channel, Color LCD Display DSO
GDS-2104 100MHz, 4-channel, Color LCD Display DSO
GDS-2202 200MHz, 2-channel, Color LCD Display DSO

Standard Accessories

Probe-GTP150A-2:150MHz x10/x1 Switchable Passive Probe for GDS-2102/2104
Probe-GTP250A-2:250MHz x10/x1 Switchable Passive Probe for GDS-2202/2204
Probe-GTP060A-2:60MHz x10/x1 Switchable Passive Probe for GDS-2062/2064
Instruction Manual
Power cord

Option

Opt. 01: GPIB Interface
Opt. 02: Battery power (Factory installed)



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