

SPECIFICATIONS

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		GDS-2062/2064	GDS-2102/2104	GDS-2202/2204
VERTICAL	Channels	2/4	2/4	2/4
	Bandwidth	DC ~ 60MHz (−3dB)	DC ~ 100MHz (−3dB)	DC ~ 200MHz (−3dB)
	Rise time	5.8ns Approx.	3.5ns Approx.	1.75ns Approx.
	Sensitivity	2mV/div ~ 5V/div (1-2.5 increments)		
	Accuracy	± (3% x Readout) + 0.05 div x Volts/div		
	Input Coupling	AC, DC & Ground		
	Input Impedance	1M ±2% , −16pF		
	Polarity	Normal & Invert		
	Maximum Input	300V (DC+AC peak), CATII		
	Waveform Signal Process	+, −, x, ÷, FFT		
	Offset Range	2mV/div ~ 20mV/div : ±0.5V ; 50mV/div ~ 200mV/div:±5V ; 500mV/div ~ 2V/div : ±50V;5V/div : ±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	±15V		
	Sensitivity	DC ~ 30MHz : ~ 50mV ; 30M ~ 60/100/200MHz : ~100mV		
	Input Impedance	1MΩ ±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	±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	±3° 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 _{hi} · 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 : ±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 program mable 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
 GDS-2204 200MHz, 4-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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