

150MHz/250MHz Digital Storage Oscilloscope



GDS-820S(150MHz)/GDS-840S(250MHz)

GDS-820C(150MHz)/GDS-840C(250MHz)

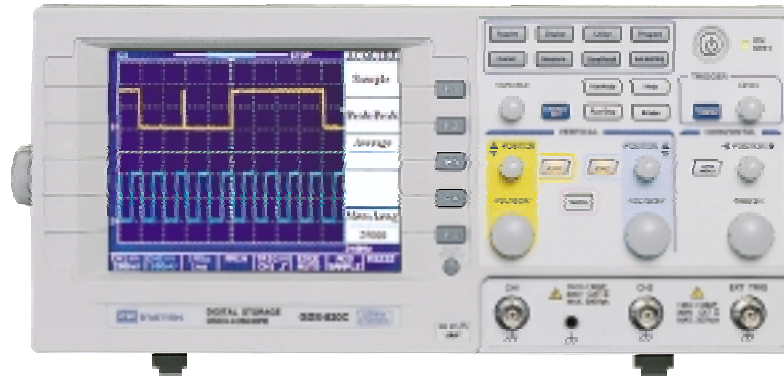
FEATURES

- * 150MHz/250MHz Bandwidth With Either Color or Monochrome LCD Display
- * 125k Long Memory and 12 Division Horizontal Display
- * 25GS/s Sampling Rate for Repetitive Waveforms
- * Advanced Trigger: Pulse Width, TV Line, Event Delay And Time Delay
- * Go-NoGo and Auto Setup Sequence
- * FFT Function
- * Built-In Help Manual, Multi-Language and PC Software
- * Standard Interface: USB, RS-232C, Printer Port, Go/NoGo Output
- * Option: GPIB Interface

SPECIFICATIONS

		GDS-820S	GDS-820C	GDS-840S	GDS-840C
DISPLAY SYSTEM	Display Device	Mono (320 x 240) 5.7 inch LCD	Color (320 x 240) 5.7 inch LCD	Mono (320 x 240) 5.7 inch LCD	Color (320 x 240) 5.7 inch LCD
	Display Contrast Waveform Display Graticule Display Mode	Adjustable 8 x 10 divisions (8 x 12 div, when menu off) Dot, Vector, Accumulate			
VERTICAL SYSTEM	Bandwidth	150MHz		250MHz	
	Channels	2			
	Vertical Resolution	8-Bit			
	Vertical Sensitivity	2mV/div ~ 5V/div			
	Vertical Accuracy	± 3%			
	Rise Time	< 2.3ns		< 1.4ns	
	Input Coupling Input Impedance	AC · DC · Ground 1MΩ ±2%, ~ 22pF		1MΩ ±2%, ~ 18pF	
Polarity Maximum Voltage Between Signal & Common at Input BNC Waveform Signal Process Offset Range BW Limit	Positive & Negative 300V (DC+AC peak), CATII CH1+CH2 · CH1-CH2 · FFT 2mV/div ~ 50mV/div : ± 0.5V; 100mV/div ~ 500mV/div : ± 5V; 1V/div ~ 5V/div : ± 50V 20MHz (-3dB)				
HORIZONTAL SYSTEM	Time Base Range Time Base Mode Time Base Accuracy Delay Range	1ns/div ~ 10s/div; Roll : 250ms/div~10s/div Main · Window · Window Zoom · Roll · X-Y ± 0.01% Pre-trigger : 20 div maximum; Post-trigger : 1000 div			
SIGNAL ACQUISITION SYSTEM	Real-Time Sample Rate Equivalent Sample Rate Record Length Peak Detection Acquisition Mode Average	100MS/s maximum on each channel 25GS/s E.T. maximum on each channel 125k/CH 10ns (500ns/div~10s/div) Sample · Peak Detect · Average 2, 4, 8, 16, 32, 64, 128, 256			
TRIGGER	Trigger Source Mode Coupling Sensitivity	CH1, CH2, Line, Ext Auto Level · Auto · Normal · Single · TV · Time Delay · Event Delay · Edge · Pulse Width AC, DC, HF, LF, Noise Reject			
		DC~30MHz : 0.5div or 5mV 30MHz~150MHz : Approx 1.5div or 15mV		DC~30MHz : 0.5div or 5mV 30MHz~150MHz : 1.5div or 15mV 150MHz~250MHz : 2.0div or 20mV	
X-Y MODE	X-Axis Input / Y-Axis Input Phase Shift	Channel 1 / Channel 2 ± 3° at 100kHz			
CURSOR & MEASUREMENT	Auto Voltage Measurement Auto Time Measurement Cursor Measurement	V _{pp} , V _{amp} , V _{avg} , V _{rms} , V _{hi} , V _{lo} , V _{max} , V _{min} Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle Voltage difference between cursors(ΔV), Time difference between cursors(ΔT), Reciprocal of ΔT in hertz (1/ΔT)			

150MHz/250MHz Digital Storage Oscilloscope



GDS-820C(150MHz)/GDS-840C(250MHz)

SPECIFICATIONS		
FREQUENCY COUNTER	Readout Resolution Frequency Range Signal Source	Max. 6 digits AC Coupled, 20Hz to rated bandwidth; resolution : 10Hz All available trigger source except the Pulse Width & Video Trigger mode
EXTERNAL TRIGGER	Range	± 15V
	Sensitivity	DC~30MHz : ~50mV ; 30~150MHz : ~100mV
	Input Impedance Maximum Input	1MΩ ± 2%, ~ 22pF 300V (DC+AC peak) , CATII
CONTROL PANEL FUNCTION	AutoSet	"Autoset" can adjust Vertical (Volt/div), Horizontal (Sec/div) and Trigger level automatically
	Save/Recall Waveform Trace Save/Recall	Up to 15 sets of measurement conditions can be saved and recalled 2 sets of waveform can be saved and recalled
INTERFACE	Standard Option	USB, RS-232C, Printer Port, Go/NoGo Output GPIB
POWER SOURCE		100V ~ 240V AC 47Hz ~ 63Hz, Auto selection
ACCESSORIES		Instruction manual x 1, Power Cord x 1 GDS-820 Series: GTP-150A Probe(10:1/1:1) x 2 GDS-840 Series: GTP-250A Probe(10:1/1:1) x 2
DIMENSIONS & WEIGHT		310(W) x 142(H) x 254(D)mm , Approx. 4.1kg

ORDERING INFORMATION

GDS-820C 150MHz, 2-channel, Color LCD Display DSO
GDS-820S 150MHz, 2-channel, Mono LCD Display DSO
GDS-840C 250MHz, 2-channel, Color LCD Display DSO
GDS-840S 250MHz, 2-channel, Mono LCD Display DSO

Option

- Opt. 01:** GPIB Interface (Factory installed)
- Opt. 02:** GTL-232 RS-232C Cable, 9-pin Female to 9-pin, Null Modem for Computer
- Opt. 03:** USB Cable, USB1.1 A-B Type Cable, 1800mm
- Opt. 04:** GSC-005 Soft Carrying Case
- Opt. 05:** GRA-405 Rack Mounting (19", 4U)
- Opt. 06:** GTC-001 Instrument Cart, 450(W) x 430(D) mm
- Opt. 07:** GTC-002 Instrument Cart, 330(W) x 430(D) mm