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Find the *Instek GDS-820C* at our website: ***Click HERE***

150MHz/250MHz Digital Storage Oscilloscope



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



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

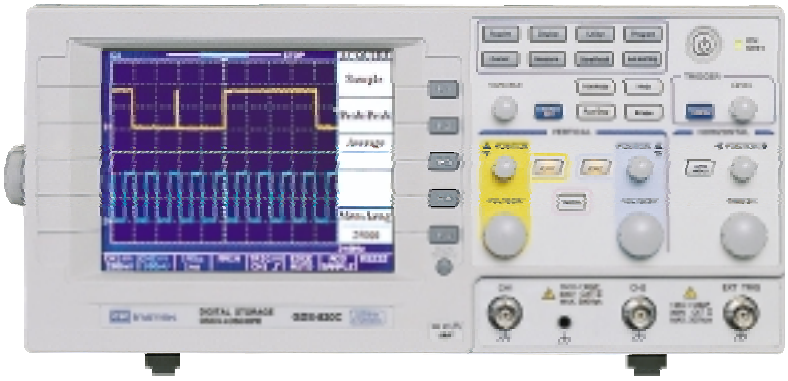
FEATURES

* 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 × 10 divisions (8 x 12 div, when menu off) Dot, Vector, Accumulate			
VERTICAL SYSTEM	Bandwidth	150MHz		250MHz	
	Channels Vertical Resolution Vertical Sensitivity Vertical Accuracy	2 8-Bit 2mV/div ~ 5V/div ± 3%			
	Rise Time	＜2.3ns		＜1.4ns	
	Input Coupling	AC、DC、Ground			
	Input Impedance	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	CH1, CH2, Line, Ext Auto Level、Auto、Normal、Single、TV、Time Delay、Event Delay、Edge、Pulse Width AC, DC, HF, LF, Noise Reject			
	Sensitivity	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**	Max. 6 digits	
	Frequency Range	AC Coupled, 20Hz to rated bandwidth; resolution : 10Hz	
	Signal Source	All available trigger source except the Pulse Width & Video Trigger mode	
EXTERNAL TRIGGER	**Range**	±15V	
	Sensitivity	DC~30MHz : ~50mV ; 30~150MHz : ~100mV	DC~30MHz:~50mV;30~150MHz :~100mV; 150MHz~250MHz : ~150mV
	Input Impedance	1MΩ± 2%, ~ 22pF	1MΩ± 2%, ~ 18pF
	Maximum Input	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	Up to 15 sets of measurement conditions can be saved and recalled	
	Save/Recall	2 sets of waveform can be saved and recalled	
INTERFACE	**Standard**	USB, RS-232C, Printer Port, Go/NoGo Output	
	Option	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

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