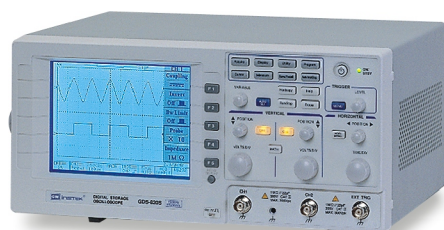
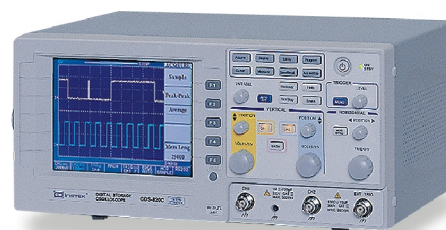


DIGITAL STORAGE OSCILLOSCOPE

150MHz/250MHz Digital Storage Oscilloscope



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



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

- * 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-No Go and Auto Setup Sequence
- * FFT Function
- * Built-In Help Menu, Multi-Language and PC Software
- * Standard Interface: USB, RS-232C, Printer Port
- * Option: GPIB Interface

SPECIFICATIONS

		GDS-820	GDS-820S	GDS-820C	GDS-840S	GDS-840C
DISPLAY SYSTEM	Display Device	Mono (320 x 240) 5.7 inch LCD	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 (-3dB)			250MHz (-3dB)	
	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 Polarity Maximum Voltage Between Signal & Common at Input BNC	AC 、 DC 、 Ground 1MΩ ± 2%, ~ 22pF Positive & Negative 300V (DC+AC peak), CATII				
	Waveform Signal Process Offset Range BW Limit	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	1ns/div ~ 10s/div; Roll : 250ms/div~10s/div				
	Time Base Mode	Main 、 Window 、 Window Zoom 、 Roll 、 X-Y				
	Time Base Accuracy	± 0.01%				
	Delay Range	Pre-trigger : 20 div maximum; Post-trigger : 1000 div				
SIGNAL ACQUISITION SYSTEM	Real-Time Sample Rate	100MS/s maximum on each channel				
	Equivalent Sample Rate	25GS/s E.T. maximum on each channel				
	Record Length	125k/CH				
	Peak Detection	10ns (500ns/div~10s/div)				
	Acquisition Mode Average	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~25MHz : Approx 0.35div or 3.5mV 25MHz~150MHz : Approx 1.5div or 15mV			DC~25MHz : Approx 0.35div or 3.5mV 25MHz~250MHz : Approx 1.5div or 15mV	
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) Frequency different between cursors (1/ΔT)				
	FREQUENCY COUNTER	Readout Resolution Frequency Range Signal Source	6 digits AC Coupled, 10Hz minimum to rated bandwidth 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 Maximum Input		1MΩ± 2%, ~ 22pF 300V (DC+AC peak), CATII			
CONTROL PANEL FUNCTION	AutoSet Save/Recall Waveform Trace Save/Recall	"Autoset" can adjust vertical (Volt/div), Horizontal (Sec/div) and Trigger level automatically Up to 15 sets of measurement conditions can be saved and recalled 2 sets of waveform can be saved and recalled				
INTERFACE	USB	NA				Standard
	RS-232C	NA				Standard
	Printer Port	NA				Standard
	GPIB	NA				Option
POWER SOURCE		100V ~ 240V AC 48Hz~63Hz, Auto selection				
ACCESSORIES		Power Cord x 1, Operation manual 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		254D x 142H x 310W (mm). Approx. 4.1kg				

B1

ISO-9001 & ISO-14001