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60MHz/100MHz Digital Storage Oscilloscope



GDS-806S(60MHz)/GDS-810S(100MHz)



GDS-806C(60MHz)/GDS-810C(100MHz)

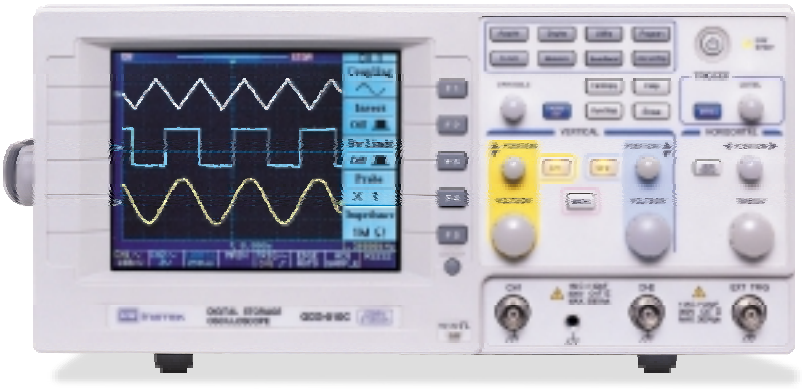
FEATURES

* 60MHz/100MHz 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: RS-232C
* Option: GPIB, USB Interface, Printer Port, Go/NoGo Output

SPECIFICATIONS

		GDS-806S	GDS-806C	GDS-810S	GDS-810C
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	Adjustable			
	Waveform Display Graticule	8 x 10 divisions, (8 x 12 div, when menu off)			
	Display Mode	Dot, Vector, Accumulate			
VERTICAL SYSTEM	Bandwidth	60MHz		100MHz	
	Channels	2			
	Vertical Resolution	8-Bit			
	Vertical Sensitivity	2mV/div ~ 5V/div			
	Vertical Accuracy	± 3%			
	Rise Time	＜5.8ns		＜3.5ns	
	Input Coupling	AC、DC、Ground			
	Input Impedance	1MΩ ± 2%, ~18pF			
	Polarity	Positive & Negative			
	Maximum Voltage Between Signal & Common at Input BNC	300V (DC+AC peak), CATII			
	Waveform Signal Process	CH1+CH2、CH1-CH2、FFT			
	Offset Range	2mV/div ~ 50mV/div : ±0.5V; 100mV/div ~ 500mV/div : ±5V; 1V/div ~ 5V/div : ±50V			
	BW Limit	20MHz (-3dB)			
HORIZONTAL SYSTEM	Time Base Range	1ns/div ~ 10s/div (1-2-5 increments)			
	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	Sample、Peak Detect、Average			
	Average	2, 4, 8, 16, 32, 64, 128, 256			
TRIGGER	Trigger Source	CH1, CH2, Line, Ext			
	Mode	Auto Level、Auto、Normal、Single、TV、Time Delay、Event Delay、Edge、Pulse Width			
	Coupling	AC, DC, HF, LF, Noise Reject			
	Sensitivity	DC~25MHz : Approx 0.5div or 5mV 25MHz~60MHz : Approx 1.5div or 15mV		DC~25MHz : Approx 0.5div or 5mV 25MHz~100MHz : Approx 1.5div or 15mV	
X-Y MODE	X-Axis Input / Y-Axis Input	Channel 1 / Channel 2			
	Phase Shift	± 3° at 100kHz			
CURSOR & MEASUREMENT	Auto Voltage Measurement	V_{pp}、V_{amp}、V_{avg}、V_{rms}、V_{hi}、V_{lo}、V_{max}、V_{min}			
	Auto Time Measurement	Freq, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle			
	Cursor Measurement	Voltage difference between cursors (ΔV) , Time difference between cursors (ΔT) , Reciprocal of ΔT in hertz（1/ΔT）			

60MHz/100MHz Digital Storage Oscilloscope



GDS-806C(60MHz)/GDS-810C(100MHz)

SPECIFICATIONS			
FREQUENCY COUNTER	**Readout Resolution**	6 digits	
	Frequency Range	AC Coupled, 20Hz~rated bandwidth; resolution : 10Hz	
	Signal Source	All available trigger source except the Pulse Width & Video Trigger mode	
ADJUSTABLE PROBE COMPENSATION SIGNAL	**Frequency Rang**	1 kHz ~ 100 kHz, 1kHz, step	
	Duty Cycle	5% ~ 95%, 5% step	
EXTERNAL TRIGGER	**Range**	±15V	
	Sensitivity	DC~25MHz : ~50mV ; 25~60MHz : ~100mV	DC~25MHz : ~ 50mV ; 25 ~100MHz : ~100mV
	Input Impedance	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	Up to 15 sets of measurement conditions can be saved and recalled	
	Waveform Trace Save/Recall	2 sets of waveform can be saved and recalled	
INTERFACE	**Standard**	RS-232C	
	Optional Opt.01	GPIB Interface	
	Optional Opt.11	USB, Printer Port, Go/NoGo Output	
POWER SOURCE		100V ~ 240V AC 47Hz~63Hz, Auto selection	
ACCESSORIES		Instruction manual x 1, Power Cord x 1 GDS-806 series: GTP-060A: probe (10:1/1:1) x 2 GDS-810 series: GTP-100A: probe (10:1/1:1) x 2	
DIMENSIONS & WEIGHT		310(W) x 142(H) x 254(D) mm , Approx. 3.8kg	

ORDERING INFORMATION

GDS-810C 100MHz, 2-channel, Color LCD Display DSO
GDS-810S 100MHz, 2-channel, Mono LCD Display DSO
GDS-806C 60MHz, 2-channel, Color LCD Display DSO
GDS-806S 60MHz, 2-channel, Mono LCD Display DSO

Option

Opt.01: GPIB Interface (Factory Installed)
Opt.11: USB Interface, Printer Port, Go/NoGo Output (Factory Installed)
Opt.02: GTL-232 RS-232C Cable,9-pin Female to 9-pin,Null Modem for Computer
Opt.03: USB Cable ,USB1.1A-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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