

60MHz/100MHz Digital Storage Oscilloscope

NEW



CE

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

NEW



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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 Waveform Display Graticule Display Mode	Adjustable 8 × 10 divisions, (8 × 12 div, when menu off) Dot, Vector, Accumulate			
VERTICAL SYSTEM	Bandwidth	60MHz		100MHz	
	Channels Vertical Resolution Vertical Sensitivity Vertical Accuracy	2 8-Bit 2mV/div ~ 5V/div ± 3%			
	Rise Time	< 5.8ns		< 3.5ns	
	Input Coupling Input Impedance Polarity Maximum Voltage Between Signal & Common at Input BNC Waveform Signal Process Offset Range BW Limit	AC · DC · Ground 1MΩ ± 2%, ~18pF 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 (1-2-5 increments) 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~25MHz : Approx 0.5div or 5mV 25MHz~60MHz : Approx 1.5div or 15mV			
		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 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)			



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

SPECIFICATIONS		
FREQUENCY COUNTER	Readout Resolution Frequency Range Signal Source	6 digits AC Coupled, 20Hz-rated bandwidth; resolution : 10Hz All available trigger source except the Pulse Width & Video Trigger mode
ADJUSTABLE PROBE COMPENSATION SIGNAL	Frequency Rang Duty Cycle	1 kHz ~ 100 kHz, 1kHz, step 5% ~ 95%, 5% step
EXTERNAL TRIGGER	Range	± 15V
	Sensitivity	DC~25MHz : ~50mV ; 25~60MHz : ~100mV DC~25MHz : ~ 50mV ; 25 ~100MHz : ~100mV
CONTROL PANEL FUNCTION	Input Impedance	1MΩ±2%, ~ 18pF
	Maximum Input	300V (DC+AC peak) , CATII
INTERFACE	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
POWER SOURCE	Standard Optional Opt.01 Optional Opt.11	RS-232C GPIB Interface USB, Printer Port, Go/NoGo Output
ACCESSORIES		100V ~ 240V AC 47Hz~63Hz, Auto selection
DIMENSIONS & WEIGHT		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
		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