

# 60MHz/100MHz Digital Storage Oscilloscope

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

NEW



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

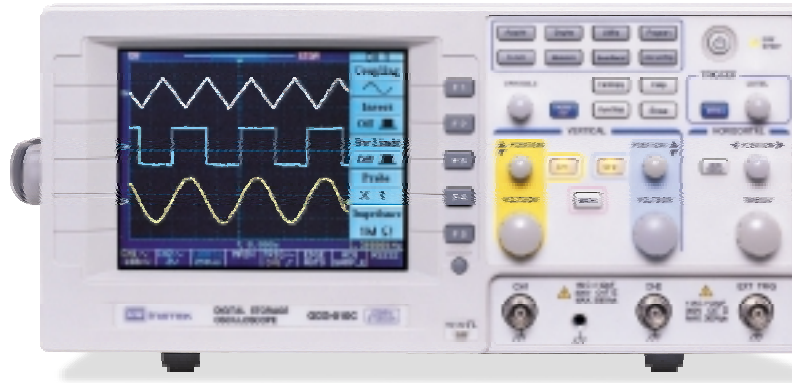
## FEATURES

- \* 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~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 <sub>pp</sub> · V <sub>amp</sub> · V <sub>avg</sub> · V <sub>rms</sub> · V <sub>hi</sub> · V <sub>lo</sub> · V <sub>max</sub> · V <sub>min</sub> 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 )			

# 60MHz/100MHz Digital Storage Oscilloscope



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

SPECIFICATIONS		
<b>FREQUENCY COUNTER</b>	<b>Readout Resolution</b> <b>Frequency Range</b> <b>Signal Source</b>	6 digits AC Coupled, 20Hz~rated bandwidth; resolution : 10Hz All available trigger source except the Pulse Width & Video Trigger mode
<b>ADJUSTABLE PROBE COMPENSATION SIGNAL</b>	<b>Frequency Rang</b> <b>Duty Cycle</b>	1 kHz ~ 100 kHz, 1kHz, step 5% ~ 95%, 5% step
<b>EXTERNAL TRIGGER</b>	<b>Range</b>	± 15V
	<b>Sensitivity</b>	DC~25MHz : ~50mV ; 25~60MHz : ~100mV      DC~25MHz : ~ 50mV ; 25 ~100MHz : ~100mV
<b>CONTROL PANEL FUNCTION</b>	<b>Input Impedance</b>	1MΩ±2%, ~ 18pF
	<b>Maximum Input</b>	300V ( DC+AC peak ) , CATII
<b>INTERFACE</b>	<b>AutoSet</b> <b>Save/Recall</b> <b>Waveform Trace Save/Recall</b>	"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
<b>POWER SOURCE</b>	<b>Standard</b> <b>Optional Opt.01</b> <b>Optional Opt.11</b>	RS-232C GPIB Interface USB, Printer Port, Go/NoGo Output
<b>ACCESSORIES</b>		100V ~ 240V AC 47Hz~63Hz, Auto selection
<b>DIMENSIONS &amp; WEIGHT</b>		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
<b>GDS-810C</b> 100MHz, 2-channel, Color LCD Display DSO
<b>GDS-810S</b> 100MHz, 2-channel, Mono LCD Display DSO
<b>GDS-806C</b> 60MHz, 2-channel, Color LCD Display DSO
<b>GDS-806S</b> 60MHz, 2-channel, Mono LCD Display DSO
<b>Option</b>
<b>Opt.01:</b> GPIB Interface (Factory Installed)
<b>Opt.11:</b> USB Interface, Printer Port, Go/NoGo Output (Factory Installed)
<b>Opt.02:</b> GTL-232 RS-232C Cable,9-pin Female to 9-pin,Null Modem for Computer
<b>Opt.03:</b> USB Cable ,USB1.1A-B Type Cable,1800mm
<b>Opt.04:</b> GSC-005 Soft Carrying Case
<b>Opt.05:</b> GRA-405 Rack Mounting (19",4U)
<b>Opt.06:</b> GTC-001 Instrument Cart, 450(W) x 430(D) mm
<b>Opt.07:</b> GTC-002 Instrument Cart, 330(W) x 430(D) mm