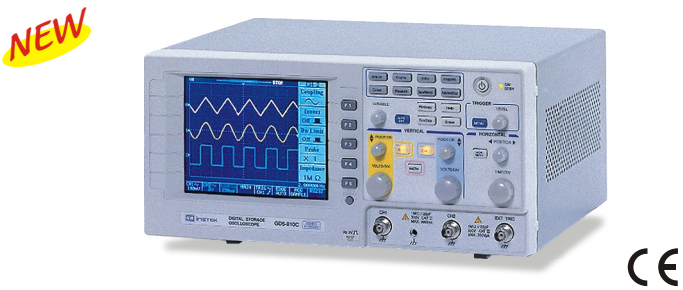
60MHz/100MHz Digital Storage Oscilloscope

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



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

GDS-806/810 series 60MHz/100MHz DSO with color or monochrome LCD display, sets a new price/performance standard for a full-featured Digital Storage Oscilloscope in the market . With an affordable price , GDS-806/810 Series makes the idea of a personal DSO possible. There is on need for a group of engineers or service technicians to share an expensive DSO due to the cost consideration. Each student in the lab could now enjoy playing with his own DSO to get a better learning result from the course. The manufacturing plant has a most cost - effective solution for DSO requirements. The ATE system integrator is pleased to find an economic DSO component without degrading any functions or performance of the system. GDS-806/810 Series is available for the market, which needs a full-featured DSO at an affordable price without the sacrifice of performance.

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 Menu, Multi-Language and PC Software
* Standard Interface: RS-232C
* Option: GPIB, Printer Port and USB Interface

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 × 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）			