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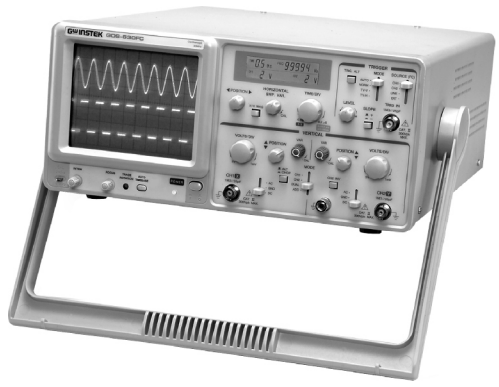
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2-CHANNEL ANALOG OSCILLOSCOPE

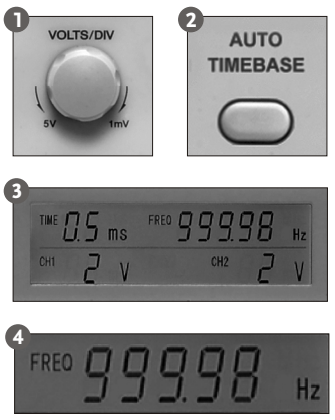


GOS-630FC

FEATURES

- **1mV/div High Vertical Sensitivity**
- **Internal 5 Digits Real-Time Frequency Counter**
- **LCD Readout Display for Vertical/ Horizontal/Frequency Measurement**
- **Auto Time-Base**
- **Buzzer Alarm**
- **TV(TV-V, TV-H) Trigger Modes**
- **XY Mode**
- **Z-Axis Input and External Trigger Input**

1. High Sensitivity 1mV/div
2. Auto Time-Base
3. LCD Readout Display
4. 5 Digits Real-Time Frequency Counter



APPLICATIONS

- **Education and Training**
- **R & D Design and Verification**
- **Maintenance and Service Center**

The Best Economic Oscilloscope

GOS-630FC is a brand new benchmark for the Oscilloscopes within the same category. The new innovative functions, including LCD Readout Display, Frequency Counter, and Auto Time-Base setting, are provided as standard features of the product. GOS-630FC, with a bandwidth elevated to 30MHz and additional valuable features, is priced at the level of a fundamental oscilloscope. The add-on value without additional cost make GOS-630FC a most beneficial choice among the entry-level analog oscilloscopes available in the market today.

1mV/div High Vertical Sensitivity

GOS-630FC, with high vertical sensitivity up to 1mV/div, is able to capture the small signals of the input source. Wide ranges of vertical, horizontal, and trigger settings make GOS-630FC a full-fledged oscilloscope. Additional functions such as XY mode display, MAG function (Time based Magnified), and Z-axis Input extend the application range of GOS-630FC to both the education and industry fields.

LCD Readout Display & Real-Time Frequency Counter

Vertical/Horizontal settings and input signal Frequency of GOS-630FC are shown on a bright and clear LCD display simultaneously. Users could easily know the current setting status from the small LCD screen instead of checking the knob positions. GOS-630FC automatically counts the frequency of the input signal and shows this reading on the display. This is a good feature rarely seen on a basic oscilloscope.

Auto Time-Base Intelligent Operations

GOS-630FC provides " Auto Time-Base " function, which is seen only in digital or high-end analog oscilloscopes, to automatically select the appropriate horizontal time base for waveform display. Buzzer alarm reminds users when the Vertical/Horizontal setting reaches the maximum or minimum boundary.

High Product Quality with Economic Price

GOS-630FC is a highly reliable product guaranteed by an ISO certified manufacturing system. Hundreds of quality tests have to be passed upon completion of the manufacturing of each unit. Economic price and remarkable functions like LCD readout display, 5 digits real-time counter, and Auto Time-base make GOS-630FC a product with the best price vs. performance ratio in the oscilloscope market.

www.gwinstek.com.tw

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SPECIFICATIONS

VERTICAL AXIS	**Sensitivity**	1mV ～ 5V/div , 12 steps in 1-2-5 sequence
	Accuracy	≤3%, (1mV/div, 2mV/div: ≤5%)
	Vernier Vertical Sensitivity	≤1/2.5 of panel-indicated value
	Bandwidth	DC～30MHz (1mV/div, 2mV/div: DC～7MHz)
	Rise Time	Approx. 11.7ns (1mV/div, 2mV/div: Approx. 50ns)
	Input Impedance	Approx. 1MΩ // Approx. 25pF
	Square Wave Characteristics	Overshoot : 5% (At 10mV/div range)
	Linearity	<±0.1div of amplitude change
	Vertical Modes	CH1, CH2, DUAL (ALT/CHOP), ADD
	Chopping Repetition Frequency	Approx. 250kHz
	Input Coupling	AC, DC, GND
	Maximum Input Voltage	CATⅡ 300V(DC+ACpeak)
	Common Mode Rejection Ratio	50:1 or better at 50kHz sinusoidal wave.
	Isolation Between Channels	>1000:1at 50kHz, >30:1at 30MHz(at 5mv/div Range)
	CH1 Signal Output	At least 20 mV/div at 50Ω terminal, frequency at least 50Hz to 5MHz
TRIGGERING	**Triggering Source**	CH1, CH2, ALT, LINE, EXT
	Coupling	AC : 20Hz to full bandwidth
	Slope	+ / -
	Sensitivity	20Hz ～ 2 MHz : 0.5 div, TRIG-ALT : 2 div, EXT : 200mV 2MHz ～ 30MHz : 1.5 div, TRIG-ALT : 3 div, EXT : 800mV TV : Sync pulse more than 1 div (EXT: 1V)
	Triggering Modes	AUTO , NORM , TV-V , TV-H
EXT TRIGGERING SIGNAL INPUT	**Input Impedance**	Approx. 1MΩ// approx. 25pF
	Maximum Input Voltage	CATⅡ 300V(DC+AC peak)
HORIZIONAL AXIS	**Sweep Time**	0.2μS ～ 0.5 S/div , 20 steps in 1-2-5 sequence
	Sweep Time Accuracy	±3%
	Vernier Sweep Time Control	≤1/2.5 of panel-indicated value
	Sweep Magnification	10 times
	×10MAG Sweep Time Accuracy	±5% (20nSec～50nSec are uncalibrated)
	Linearity	±3%, ×10MAG:±5% (20ns and 50ns are uncalibrated)
X-Y MODE	**Sensitivity**	Same as vertical axis
	Bandwidth	DC to at least 500kHz
	X-Y Phase Difference	≤3° at DC ～50kHz
Z AXIS	**Sensitivity**	5 Vp-p (Positive-going signal decreases intensity)
	Bandwidth	DC ～ 2MHz
	Input Resistance	Approx. 47kΩ
	Maximum Input Voltage	CAIⅡ 30V(DC+AC peak)
CALIBRATION VOLTAGE	**Waveform**	Positive-going Square wave
	Frequency	Approx. 1 kHz
	Duty Ratio	Within 48:52
	Output Voltage	2 Vp-p ±2%
	Output Impedance	Approx. 1 kΩ
FREQUENCY COUNTER	**Display Digits**	Max. 5-digits decimal
	Frequency Range	50Hz~30MHz
	Accuracy	±0.05% : 50Hz~1kHz, ±0.02% : 1kHz~30MHz
	Measuring Sensitivity	> 2div
LCD	**Display**	VOLT/div, TIME/div, X-Y Mode, Frequency
	Backlight	Orange
CRT	**Type**	6-inch rectangular type, internal graticule
	Phosphor & Acceleration Voltage	P 31 & Approx. 2kV
	Effective Screen Size	8 x 10 div (1 div = 10mm (0.39in))
	Graticule	Internal
	Trace Rotation	Provided
Power Source	AC115V, 230V± 15% selectable, 50Hz or 60Hz	
Storage Temperature & Humidity	-10℃ to 70℃ ; 70%RH (Max.)	
Accessories	Power cord x 1, Instruction manual x 1, Probes x 2,	
Dimensions & Weight	310 (W) x 150 (H) x 455 (D) mm ; Approx.8.2kgs (18.0lbs)	

Specifications subject to change without notice. OS-630FGD0DH

ORDERING INFORMATION

GOS-630FC 30MHz 2-Channel Analog Oscilloscope

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