

Analogue Oscilloscopes

GW INSTEK



GOS-Series: Budget Range

- 20, 30 & 35MHz.
- GOS-630FC with LCD Display of Settings & Frequency Counter, plus Auto-Timebase Position.
- Z-Axis Input.
- GOS-620FG with Built in Function Generator.

	GOS-630FC	GOS-635G	GOS-622G	GOS-620	GOS-620FG
CRT	6-Inch Rectangular Type with Internal Graticule 8 x 10 Div (1 Div = 1cm)				
Type	6-Inch Rectangular Type with Internal Graticule 8 x 10 Div (1 Div = 1cm)				
Z-Axis Input Impedance	47kΩ		5kΩ		47kΩ
Z-Axis Input Sensitivity	>5Vp-p		>3Vp-p		>5Vp-p
Z-Axis Bandwidth	DC ~ 2MHz		DC ~ 5MHz		DC ~ 2MHz
Vertical System	Sensitivity: 5mV/div ~ 5V / div: ± 3% 1mV ~ 2mV / div: ± 5%				
Sensitivity	5mV/div ~ 5V / div: ± 3% 1mV / Div ~ 1V / div: ± 5% (x5 MAG)				
Bandwidth	DC ~ 30MHz (7MHz @ 1 ~ 2mV/div) 11.7ns (50ns)	DC ~ 35MHz (10MHz @ 1 ~ 2mV/div) 10ns (35ns)	DC ~ 20MHz (10MHz @ 1 ~ 2mV/div) 17.5ns (35ns)	DC ~ 20MHz (7MHz @ x 5 MAG) 17.5ns (50ns)	
Rise Time	17.5ns (50ns)				
Input Impedance	1MΩ				
Input Coupling	AC, DC, GND				
Vertical Mode	CH1, CH2, DUAL, ADD, CH2 INV (Dual Automatic Switching ALT & CHOP)				
Max Input	300V (DC + AC Peak at 1kHz)				
Horizontal System	Sweep Time				
Sweep Time	0.2μs ~ 0.5s / Div: ± 3% 100ns ~ 50ms / Div: ± 5% (x 10 MAG) 20ns ~ 50ns / Div: Uncalibrated	0.1μs ~ 0.5s / Div: ± 3% 100ns ~ 50ms / Div: ± 5% (x 10 MAG) 10ns ~ 50ns / Div: ± 8% (x 10 MAG)			0.2μs ~ 0.5s / Div: ± 3% 100ns ~ 50ms / Div: ± 5% (x 10 MAG) 20ns ~ 50ns / Div: Uncalibrated
Trigger	Trigger Mode: AUTO, NORM, TV-V, TV-H				
Trigger Source	CH1, CH2, ALT, LINE, EXT				
Trigger Coupling	AC	AC, DC, HF REJ, TV			AC
Trigger Slope	"+" or "-"				
X-Y	Sensitivity: 5mV ~ 5V/Div ± 4%				
Sensitivity	5mV ~ 5V/Div ± 4%				
X-Axis Bandwidth	DC ~ 500kHz	DC ~ 1MHz			DC ~ 500kHz
Phase Error	<3°	<3°, DC ~ 50kHz			<3°
Frequency Counter (GOS-630FC only)	Displayed Digits: Up to 5				
Frequency Range & Accuracy	50Hz ~ 1kHz: ± 0.05%; 1kHz ~ 30MHz: ± 0.02%				
Sensitivity	≥2V				
Function Generator (GOS-620-FG Only)	Frequency Range: 0.1Hz ~ 1MHz (7 Ranges)				
Waveforms	Sine Wave, Square Wave, Triangle Wave				
Output Impedance	50Ω ± 10%				
Output Voltage	>14Vp-p (Open Circuit)				
DC Offset	>± 6V (Open Circuit)				
General	Power Source: AC 100V / 120V / 220V / 230V ± 10%, 50Hz / 60Hz				
Power Source	AC 100V / 120V / 220V / 230V ± 10%, 50Hz / 60Hz				
Accessories	Instruction Manual x 1, Power Cord x 1				
Dimensions & Weight	GCP-210LC Probes (10:1/1:1) x 2, GTL-101 also included with GOS-620FG 310mm (W) x 150mm (H) x 455mm (D), 8.2kg				

ORDERING INFORMATION

GOS-630FC	30MHz, 2 Channel Oscilloscope with LCD Display of Settings & Frequency Counter, plus Auto Timebase.	GOS-635G	35MHz, 2 Channel Oscilloscope with Hold-Off Function.
GOS-622G	20MHz, 2 Channel Oscilloscope with Hold-Off Function.	GOS-620	20MHz, 2 Channel Oscilloscope.
GOS-620FG	20MHz, 2 Channel Oscilloscope with Built in Function Generator.		