



GOS-620FG (20 MHz)



FEATURES

- * Built-In 1 MHz Function Generator
- * 20MHz Bandwidth, Dual Channel
- * High Sensitivity 1mV/div
- * ALT Triggering Function
- * TV Synchronization
- * CH1 Output
- * Z Axis Input
- * Economic Choice for High Quality

The GOS-620FG is a general purpose analog oscilloscope with a 20MHz bandwidth. Aside from the basic functions, such as 1mV/div~5V vertical sensitivity, 0.2uS/div~0.5S/div horizontal sweep time, and practical Auto/Norm/TV-V/TV-H trigger modes, the GOS-620FG offers extra function generating features required for most class experiments and electrical production lines. The affordably priced GOS-620FG is capable of generating Sine/Square/Triangle waveforms in the frequency ranges from 0.1Hz~1MHz (7 range) with sine wave distortion as low as 2%.

SPECIFICATIONS

CRT	
Type	6-inch rectangular type with internal graticule ; 8 x 10 div (1div=1cm)
Accelerating Potential	2kV
Z-Axis Input	Sensitivity: Above 5Vp-p ; Max. input voltage : 30V (DC + AC peak)
Polarity	Bandwidth: DC ~ 2MHz
Focus Control	Positive-going input decrease
	Auto focus
FUNCTION GENERATOR	
Frequency Range	0.1Hz ~ 1MHz (7 range)
Waveform	Sine Wave, Square Wave, Triangle Wave
Frequency Variable Range	10:1 or more
Output Impedance	50 Ω $\pm$ 10%
Voltage	Over 14Vp-p(open circuit)continuous conversion
	DC offset possible over $\pm$ 6V when open
Sinewave Distortion	2% Max. (10Hz ~ 100kHz)
Squarewave Unsymmetry	$\pm$ 3% or less (in 1 kHz maximum)
Squarewave Rise/Fall Time	50 Ω output: 120ns or less
VERTICAL SYSTEM	
Sensitivity	5mV/div~5V/div $\pm$ 3%, 1mV/div~1V/div $\pm$ 5% (using x 5MAG.)
Bandwidth	DC to 20MHz (x 5MAG.:DC to 7MHz)
Rise Time	Approx. 17.5ns (x 5MAG.:Approx. 50ns)
Max. Input	300V (DC+ACpeak) at 1kHz
Input Coupling	AC, DC, GND
Input Impedance	Approx. 1M Ω // 25pF
Vertical Mode	CH1, CH2, DUAL (ALT, CHOP), ADD, CH2 INV
HORIZONTAL SYSTEM	
Sweep Time	0.2 μ S/div ~ 0.5s/div $\pm$ 3% ($\pm$ 5% at x 10MAG)
Max. Sweep Rate	100ns/div (20ns and 50ns/div are uncalibrated)
TRIGGER	
Trigger Mode	AUTO, NORM, TV-V, TV-H
Trigger Source	CH1, CH2, ALT, LINE, EXT
Trigger Slope	" + " or " - "
X-Y OPERATION	
Sensitivity	5mV ~ 5V/div $\pm$ 4%
X-axis Bandwidth	DC ~ 500kHz
Phase Error	3° or less from DC ~ 50kHz
OUTPUT SIGNAL	
Trigger Signal Output	Voltage : approx. 20mV/div into 50
	Bandwidth : 50Hz to 5MHz (-3dB)
	Impedance : Approx. 50
Calibrator Output	1kHz Square wave, 2Vp-p $\pm$ 2%
POWER SOURCE	
AC 115/230V $\pm$ 15%, 50/60Hz	
DIMENSIONS & WEIGHT	
310(W) x 150(H) x 455(D)mm; Approx. 8.5kg	

ORDERING INFORMATION

GOS-620FG 20MHz Oscilloscope with Built-in 1MHz Function Generator

ACCESSORIES :

User manual x 1, Power cord x 1

Probe-GTP-020A-4 : 20MHz (10 : 1/1 : 1) Switchable Passive Probe (one per channel)

Test Lead GTL-101 x 1

OPTIONAL ACCESSORIES

GTC-001 Instrument Cart, 450(W) x 430(D) mm

GTC-002 Instrument Cart, 330(W) x 430(D) mm

GTL-110 Test Lead, BNC-BNC Heads