

# Analog Oscilloscope+Function Generator



Built - in  
Function  
Generator

## 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

## GOS-620FG (20 MHz)

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

<b>POWER SOURCE</b>	AC 115/230V±15%, 50/60Hz
<b>ACCESSORIES</b>	Instruction manual x 1, Power cord x 1, GCP-210LC Probes(10:1/1:1)x2, GTL-101 x 1
<b>DIMENSIONS &amp; WEIGHT</b>	310(W) x 150(H) x 455(D)mm; Approx. 8.5kg

ORDERING INFORMATION
<b>GOS-620FG</b> 20MHz Oscilloscope with Built-in 1MHz Function Generator <b>Option</b>
<b>Opt. 01</b> : GTC-001 Instrument Cart, 450(W) x 430(D) mm
<b>Opt. 02</b> : GTC-002 Instrument Cart, 330(W) x 430(D) mm