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# Analog Oscilloscope



GOS-635G(35MHz)/GOS-622G(20MHz)



GOS-620(20MHz)

## FEATURES

* 35MHz Bandwidth, Dual Channel (GOS-635G)
* 20MHz Bandwidth, Dual Channel (GOS-622G)
* 20MHz Bandwidth, Dual Channel (GOS-620)
* High Sensitivity 1mV/div
* TV Synchronization
* Z Axis Input
* ALT Triggering Function
* Hold Off Function (GOS-635G,GOS-622G)
* CH1 Output

## SPECIFICATIONS

| | | GOS-635G/GOS-622G | GOS-620 |
|---|---|---|---|
| CRT | Type | 6-inch rectangular type with internal graticule<br>8 x 10 div (1div=1cm) | 6-inch rectangular type with internal graticule<br>8 x 10 div (1div=1cm) |
| | Z-Axis Input | Input Impedance: Approx. 5kΩ<br>Sensitivity: Above 3Vp-p<br>Bandwidth: DC ~ 5MHz | Input Impedance: Approx. 47kΩ<br>Sensitivity: Above 5Vp-p<br>Bandwidth: DC ~ 2MHz |
| VERTICAL SYSTEM | Sensitivity<br>Bandwidth | 5mV/div~5V/div±3%,1mV~2mV/div± 5%<br>DC ~ 35MHz ( GOS-635G)<br>DC ~ 20MHz ( GOS-622G)<br>DC ~ 10MHz at 1~ 2mV/div | 5mV/div~5V/div±3%,x5MAG:±5%<br>DC (AC 10Hz) ~20MHz(-3dB)<br>DC (AC 10Hz) ~7MHz(-3dB) at x 5MAG |
| | Rise Time | 10ns (35ns at 1mV~2mV/div)for GOS-635G<br>17.5ns(35ns at 1mV~2mV/div)for GOS-622G | 17.5ns (50ns at x 5MAG) |
| | Input Impedance<br>Input Coupling<br>Vertical Mode | Approx. 1MΩ<br>AC, DC, GND<br>CH1, CH2, DUAL, ADD, CH2 INV<br>(Dual automatic switching ALT and CHOP) | Approx. 1MΩ<br>AC, GND, DC<br>CH1, CH2, DUAL (ALT/CHOP), ADD,<br>CH2 INV |
| HORIZONTAL SYSTEM | Sweep Time | 0.1μs ~ 0.5s/div ± 3%<br>100ns ~ 50ms/div±5% (x 10 MAG)<br>10ns~ 50ns±8% (x 10 MAG) | 0.2μs ~0.5s/div ± 3%<br>100ns ~ 50ms/div± 5% (x 10 MAG)<br>20ns ~ 50ns/div : uncalibrated |
| TRIGGER | Trigger Mode<br>Trigger Source<br>Trigger Coupling<br>Trigger Slope | AUTO, NORM<br>CH1, CH2, ALT, LINE, EXT<br>AC, DC, HF REJ, TV<br>''+'' or ''-'' | AUTO, NORM, TV-V, TV-H<br>CH1, CH2, ALT, LINE, EXT<br>AC<br>''+'' or ''-'' |
| X - Y OPERATION | Sensitivity<br>X-axis Bandwidth<br>Phase Error | 5mV ~ 5V/div±4%<br>DC ~ 1MHz<br>3° or less from DC ~ 50kHz | 5mV ~ 5V/div±4%<br>DC ~ 500kHz<br>3° or less from DC ~ 50kHz |
| OUTPUT SIGNAL | Trigger Signal Output<br>Calibrator Output | Voltage: approx. 50mV/div into 50Ω<br>1kHz Square wave, 2Vp-p±2% | Voltage: approx. 20mV/div into 50Ω<br>1kHz Square wave, 2Vp-p±2% |
| POWER SOURCE | | AC 100V/120V/220V/230V±10%, 50Hz/60Hz | AC 115V/230V±15%, 50Hz/60Hz |
| ACCESSORIES | | Instruction manual x 1<br>Power Cord x 1<br>GCP-210LC Probes (10:1/1:1) x 2 | Instruction manual x 1<br>Power Cord x 1<br>GCP-210LC Probes (10:1/1:1) x 2 |
| DIMENSIONS & WEIGHT | | 310(W) x 150(H) x 455(D) mm; Approx. 8.2kg | 310(W)x150(H)x455(D) mm; Approx. 8kg |

## ORDERING INFORMATION

**GOS-635G** 35MHz, 2-Channel , Oscilloscope with Hold Off Function
**GOS-622G** 20MHz, 2-Channel , Oscilloscope with Hold Off Function
**GOS-620G** 20MHz, 2-Channel , Oscilloscope

**Option**
**Opt. 01 :** GTC-001 Instrument Cart, 450(W) x 430(D) mm
**Opt. 02 :** GTC-002 Instrument Cart, 330(W) x 430(D) mm

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