

The 20MHz GOS-620 oscilloscope is an economic analog oscilloscope with 5mV/div ~ 5V/div vertical sensitivity and 0.2 μ s/div ~ 0.5s/div horizontal sweep speed. Its outstanding mainstream specifications, reliable industrial design as well as the high build quality make it an ideal choice when updating equipment for education, training, manufacturing or service and maintenance.



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



GOS-630 (30MHz)
GOS-620 (20MHz)



FEATURES

- * 35MHz Bandwidth, Dual Channel (GOS-635G)
- * 30MHz Bandwidth, Dual Channel (GOS-630)
- * 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/GOS-630 |
| CRT | | |
| Type | 6-inch rectangular type with internal graticule 8 x 10 div (1div=1cm) | 6-inch rectangular type with internal graticule 8 x 10 div (1div=1cm) |
| Z-Axis Input | Input Impedance: Approx. 5k Ω Sensitivity: Above 3Vp-p Bandwidth: DC ~ 5MHz | Input Impedance: Approx. 47k Ω Sensitivity: Above 5Vpp Bandwidth: DC ~ 2MHz |
| VERTICAL SYSTEM | | |
| Sensitivity | 5mV/div ~ 5V/div \pm 3%, 1mV ~ 2mV/div \pm 5% | 5mV/div ~ 5V/div \pm 3%, x 5MAG: \pm 5% |
| Bandwidth | DC ~ 35MHz (GOS-635G) DC ~ 20MHz (GOS-622G) DC ~ 10MHz at 1 ~ 2mV/div | DC (AC 10Hz) ~ 20MHz (-3dB) (GOS-620) DC ~ 30MHz (GOS-630) DC (AC 10Hz) ~ 7MHz (-3dB) |
| Rise Time | 10ns (35ns at 1mV~2mV/div) (GOS-635G) 17.5ns (35ns at 1mV~2mV/div) (GOS-622G) | 17.5ns (50ns at x 5MAG) (GOS-620) 11.7ns (50ns at 1mV~2mV/div) (GOS-630) |
| Input Impedance | Approx. 1M Ω | Approx. 1M Ω |
| Input Coupling | AC, DC, GND | AC, GND, DC |
| Vertical Mode | CH1, CH2, DUAL, ADD, CH2 INV (Dual automatic switching ALT and CHOP) | CH1, CH2, DUAL (ALT/CHOP), ADD, CH2 INV |
| HORIZONTAL SYSTEM | | |
| Sweep Time | 0.1 μ s ~ 0.5s/div \pm 3% 100ns ~ 50ms/div \pm 5% (x 10 MAG) 10ns ~ 50ns \pm 8% (x 10 MAG) | 0.2 μ s ~ 0.5s/div \pm 3% 100ns ~ 50ms/div \pm 5% (x 10 MAG) 20ns ~ 50ns/div : uncalibrated |
| TRIGGER | | |
| Trigger Mode | AUTO, NORM | AUTO, NORM, TV-V, TV-H |
| Trigger Source | CH1, CH2, ALT, LINE, EXT | CH1, CH2, ALT, LINE, EXT |
| Trigger Coupling | AC, DC, HF REJ, TV | AC |
| Trigger Slope | "+" or "-" | "+" or "-" |
| X - Y OPERATION | | |
| Sensitivity | 5mV ~ 5V/div \pm 4% | 5mV ~ 5V/div \pm 4% |
| X-axis Bandwidth | DC ~ 1MHz | DC ~ 500kHz |
| Phase Error | 3 $^{\circ}$ or less from DC ~ 50kHz | 3 $^{\circ}$ or less from DC ~ 50kHz |
| OUTPUT SIGNAL | | |
| Trigger Signal Output | Voltage: approx. 50mV/div into 50 Ω | Voltage: approx. 20mV/div into 50 Ω |
| Calibrator Output | 1kHz Square wave, 2Vp-p \pm 2% | 1kHz Square wave, 2Vp-p \pm 2% |
| POWER SOURCE | | |
| | AC 100V/120V/220V/230V \pm 10%, 50Hz/60Hz | AC 115V/230V \pm 15%, 50Hz/60Hz |
| 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-630 | 30MHz, 2-Channel, Oscilloscope |
| GOS-622G | 20MHz, 2-Channel, Oscilloscope with Hold Off Function |
| GOS-620 | 20MHz, 2-Channel, Oscilloscope |

ACCESSORIES :

User manual x 1, Power Cord x 1
Probe-GTP-060A-4 : 60MHz (10 : 1/1 : 1) Switchable Passive Probe for GOS-630/635G/GOS-622G (one per channel)
Probe-GTP-020A-4 : 20MHz (10 : 1/1 : 1) Switchable Passive Probe for GOS-620 (one per channel)

OPTIONAL ACCESSORIES

| | |
|----------------|---|
| GTC-001 | Instrument Cart, 450(W) x 430(D) mm (120V Input Socket) |
| GTC-002 | Instrument Cart, 330(W) x 430(D) mm (120V Input Socket) |
| GTL-110 | Test Lead, BNC-BNC Heads |