

The 20MHz GOS-620 oscilloscope is an economic analog oscilloscope with 5mV/div ~ 5V/div vertical sensitivity and 0.2 $\mu$ 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
<b>CRT</b>		
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 $\Omega$ Sensitivity: Above 3Vp-p Bandwidth: DC ~ 5MHz	Input Impedance: Approx. 47k $\Omega$ Sensitivity: Above 5Vpp Bandwidth: DC ~ 2MHz
<b>VERTICAL SYSTEM</b>		
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 $\Omega$	Approx. 1M $\Omega$
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
<b>HORIZONTAL SYSTEM</b>		
Sweep Time	0.1 $\mu$ s ~ 0.5s/div $\pm$ 3% 100ns ~ 50ms/div $\pm$ 5% (x 10 MAG) 10ns ~ 50ns $\pm$ 8% (x 10 MAG)	0.2 $\mu$ s ~ 0.5s/div $\pm$ 3% 100ns ~ 50ms/div $\pm$ 5% (x 10 MAG) 20ns ~ 50ns/div : uncalibrated
<b>TRIGGER</b>		
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 "-"
<b>X - Y OPERATION</b>		
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
<b>OUTPUT SIGNAL</b>		
Trigger Signal Output	Voltage: approx. 50mV/div into 50 $\Omega$	Voltage: approx. 20mV/div into 50 $\Omega$
Calibrator Output	1kHz Square wave, 2Vp-p $\pm$ 2%	1kHz Square wave, 2Vp-p $\pm$ 2%
<b>POWER SOURCE</b>		
	AC 100V/120V/220V/230V $\pm$ 10%, 50Hz/60Hz	AC 115V/230V $\pm$ 15%, 50Hz/60Hz
<b>DIMENSIONS &amp; WEIGHT</b>		
	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