

Analogue Oscilloscope



GOS-6051/GOS-6050 (50MHz)
GOS-6031/GOS-6030 (30MHz)



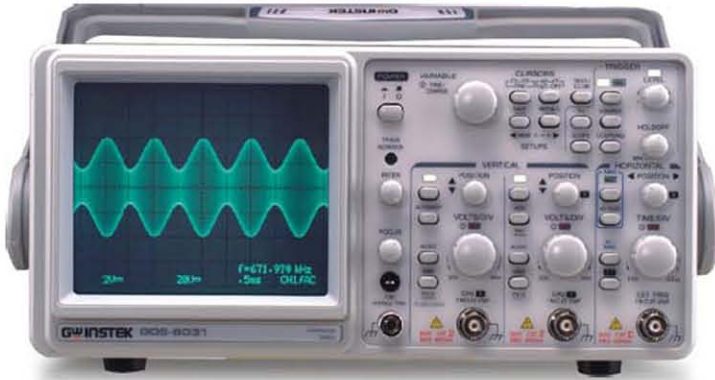
FEATURES

- * 2 Channels, 4 Traces:
 - DC~50MHz Bandwidth (GOS-6051/6050)
 - DC ~ 30MHz Bandwidth (GOS-6031/6030)
- * Vertical Sensitivity : 1mV/div ~ 20V/div
- * CRT Readout
- * Cursor Measurement, 6 Digit Frequency Counter, 10 sets Memory for Front Panel Setting Save & Recall (GOS-6051/6031)
- * ALT MAG Function (x 5, x 10, x 20)
- * Vertical Mode Triggering
- * TV Synchronization
- * CH1 Signal Output, Z- axis Input
- * Buzzer Alarm & LED Indicators
- * Compact size(275 Wx130Hx370Dmm)and Front Panel Layout Groups for Easy to Use

The GOS-6000 Series Analog Oscilloscopes provides a remarkable combination of high performance and compact design in a bandwidth range of 30 and 50 MHz. Coupled with various trigger functions, waveforms can be acquired and observed in diverse application fields. Signals can be magnified by a ratio of x5, x10 and x20 using the ALT MAG function. Together with the Cursor Readout and Frequency Counter functions (GOS-6051/6031), the GOS-6000 Series offers tremendous value for money for testing and analysis.

SPECIFICATIONS																					
CRT																					
Type	6-inch rectangular type with internal graticule 0%, 10%, 90%, 100% markers. 8x10 div(1div=1cm)																				
Accelerating Potential Illumination Trace Rotation Z-axis Input	GOS-6051/6050:approx.10kV; GOS-6031/6030 : approx. 2kV Provided (GOS-6051/6031) Provided Sensitivity: at least 5V ; Polarity: positive going input decrease intensity Usable frequency range : DC to 2MHz; Max. input voltage : 30V (DC + AC peak) at 1kHz or less Input Impedance:GOS-6051/6050:approx.33kΩ;GOS-6031/6030:approx.47kΩ																				
VERTICAL SYSTEM																					
Sensitivity and Accuracy Vernier Vertical Sensitivity Bandwidth(-3dB) and Rise Time	1mV~2mV/div±5%,5mV~20V/div±3%,14 calibrated steps in 1-2-5 sequence Continuously variable to 1/2.5 or less of panel indicate value																				
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Maximum Input Voltage Input Coupling Input Impedance Vertical Modes Chop Frequency Dynamic Range	400V (DC + AC peak) at 1kHz or less AC, DC, GND 1MΩ ±2%/approx. 25pF CH1, CH2, DUAL (CHOP, ALT), ADD, CH2 INV Approx. 250kHz GOS-6051/6050:8 div at 40MHz, 6div at 50MHz; GOS-6031/6030:8 div at 20MHz, 6div at 30MHz																				
HORIZONTAL SYSTEM																					
Sweep Time	0.2 μs/div ~ 0.5s/div, 20 steps selectable in 1-2-5 sequence, continuous variable control between steps at least 1 : 2.5																				
Accuracy	±3%, ±5% at x5 / x10MAG, ±8% at x 20MAG																				
Sweep Magnification	x5, x10, x20 MAG																				
Maximum Sweep Time (at MAG)	GOS-6051/6050 : 20ns/div (10ns/div are uncalibrated)																				
ALT-MAG Function	GOS-6031/6030 : 50ns/div (10ns/div ~ 40nS/div are uncalibrated) Available																				
TRIGGER																					
Trigger Mode Trigger Source Trigger Coupling Trigger Slope Trigger Sensitivity	AUTO, NORM, TV VERT-MODE, CH1, CH2, LINE, EXT AC, HFR, LFR, TV-V(-), TV-H(-) " + " or " - " polarity																				
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External Trigger Input	TV sync pulse more than 1 div (CH1, CH2, VERT-MODE) or 200mV (EXT) Input impedance:Approx.1MΩ//25pF(AC coupling) Max. input voltage:400V(DC+AC peak)at 1kHz																				
Hold-off Time	Variable																				
X-Y OPERATION																					
Input Sensitivity Bandwidth Phase Difference	X-axis : CH1 ; Y-axis : CH2 1mV/div ~ 20V/div X-axis : DC ~ 500kHz (-3dB) 3° or less from DC to 50kHz																				
OUTPUT SIGNAL																					
CH1 Signal Output Calibrator Output	Voltage:approx.20mV/div(with 50Ω terminated);Bandwidth:50Hz to at least 5MHz Voltage:0.5V±3% ; Frequency : approx. 1kHz, square wave																				

Handheld Digital Multimetre



Rear Panel



GOS-6031/GOS-6030 (30MHz)

SPECIFICATIONS

CRT READOUT

Panel Setting Display	CH1/CH2 sensitivity, sweep time, trigger condition
Panel Setting Save & Recall	10 sets (for GOS-6051/6031)
Cursor Measurement (GOS-6051/6031)	Cursor measurement function : ΔV , ΔT , $1/\Delta T$
Frequency Counter (GOS-6051/6031)	Cursor resolution : 1/25 div ; Effective cursor range : vertical : ± 3 div Horizontal : ± 4 div
	Display digits : Max. 6-digits decimal
	Frequency range : GOS-6051 : 50Hz ~ 50MHz ; GOS-6031 : 50Hz ~ 30MHz
	Accuracy : $\pm 0.01\%$; Measuring sensitivity : more than 2 div (measuring source selected from CH1 or CH2 as synchronous signal sources)

POWER SOURCE

AC 100V/120V/230V $\pm 10\%$, 50/60Hz

DIMENSIONS & WEIGHT

275(W) x 130(H) x 370(D) mm; Approx. 7.2kg

ORDERING INFORMATION

- GOS-6051 50MHz, Readout Analog Oscilloscope with Cursor Measurement and Frequency Counter
- GOS-6050 50MHz, Readout Analog Oscilloscope
- GOS-6031 30MHz, Readout Analog Oscilloscope with Cursor Measurement and Frequency Counter
- GOS-6030 30MHz, Readout Analog Oscilloscope

ACCESSORIES :

- User manual x 1, Power cord x 1
- Probe-GTP-060A-4 : 60MHz (10 : 1/1 : 1) Switchable Passive Probe (one per channel)

OPTIONAL ACCESSORIES

- GTC-001 Instrument Cart, 450(W)x430(D) mm (120V Input Socket)
- GTC-002 Instrument Cart, 330(W)x430(D) mm (120V Input Socket)
- GTL-110 Test Lead, BNC-BNC Heads