



GOS-653G (50 MHz)



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FEATURES

- * 50MHz Bandwidth, Dual Channel
- * Delayed Sweep(GOS-653G)
- * Built-In Delay Line (GOS-653G)
- * TV Synchronization
- * CH1 Output
- * Z Axis Modulation Input
- * ALT Triggering Function
- * Hold Off Function
- * Trigger Level Lock Function

The GOS-653G/652G Series is the classic design of 50 MHz Analog Oscilloscope. The applications for GOS-653G/652G Series cover a broad range from industrial purposes, such as electrical products designs, production lines, and repair service, to educational purposes, such as EE laboratory and class experiments. Coupled with various Trigger functions (Auto, Norm, TV), waveforms can be acquired and observed by professionals in diverse application fields. The distinctive ALT Trigger function enables to observe signals from dual channels simultaneously. Hold off function further stabilizes sophisticated signals, while delayed sweep function (only available in GOS-653G) allows to display the original waveform (A sweep time) and the zoom in view at the same time. The GOS-653G/652G Series offers extra value than its cost.

SPECIFICATIONS

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CRT	
Type	6-inch rectangular type with internal graticule 0%, 10%, 90% and 100% markers. 8 x 10 div (1div=1cm)
Accelerating Potential	12kV
Illumination	Continuously adjustable
Z-axis Input	Input Impedance: Approx. 5kΩ Sensitivity: Above 3Vp-p Bandwidth: DC ~ 5MHz
VERTICAL SYSTEM	
Sensitivity	5mV/div ~ 5V/div ±3%, 1mV ~ 2mV/div ±5%
Bandwidth	DC ~ 50MHz DC ~ 15MHz at 1 ~ 2mV/div
Rise Time	7ns (23.3ns for 1 ~ 2mV/div)
Signal Delay	leading edge can be monitored(GOS-653G only)
Input Impedance	Approx. 1MΩ
Input Coupling	AC, DC, GND
Vertical Mode	CH1, CH2, DUAL, ADD, CH2 INV (Dual automatic switching ALT and CHOP)
HORIZONTAL SYSTEM	
A(main) Sweep Time	0.1 s ~ 0.5s/div ±3% 100ns ~ 50ms/div ±5% (x 10 MAG) 10ns ~ 50ns ±8% (x 10 MAG)
B(delay) Sweep Time (GOS-653G only)	0.1 s ~ 0.5ms/div ±3% 100ns ~ 50 s/div ±5% (x 10 MAG), 10ns ~ 50ns/div ±8% (x 10 MAG)
Delay Time	1 s ~ 5ms, ±5% (GOS-653G only)
Delay Time Jitter	Better than 1 : 10000 (GOS-653G only)
TRIGGER	
Trigger Mode	AUTO, NORM, SINGLE
Trigger Source	CH1, CH2, ALT, LINE, EXT
Trigger Coupling	AC, DC, HF REJ, TV
Trigger Slope	“+” or “-”
X-Y OPERATION	
Sensitivity	5mV ~ 5V/div ±4%
X-axis Bandwidth	DC ~ 2MHz
Phase Error	3° or less from DC ~ 100kHz (GOS-653G) 3° or less from DC ~ 50kHz (GOS-652G)
OUTPUT SIGNAL	
Trigger Signal Output	Voltage: approx. 50mV/div into 50Ω
Calibrator Output	1kHz Square wave, 2Vp-p ±2%
POWER SOURCE	
AC 100V/120V/220V/230V ±10%, 50Hz/60Hz	
DIMENSIONS & WEIGHT	
310(W) x 150(H) x 455(D) mm; Approx. 8.2kg	

ORDERING INFORMATION

GOS-653G 50MHz, 2-Channel, Oscilloscope with Delayed Sweep
GOS-652G 50MHz, 2-Channel, Oscilloscope

ACCESSORIES :

User manual x 1, Power cord x 1, GTP-060A-4 Probes x 2

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)