

# Instek 50MHz Oscilloscope Model GOS-653G

*Part No. 01OS653*Back to [Oscilloscope](#) Main Page

## FEATURES :

- 50 MHz, Dual Channel
- Delayed Sweep
- Built-in Delay Line
- TV Synchronization
- Z axis input
- ALT Triggering Function
- Hold off Function
- Trigger level lock function
- CH1 output

SPECIFICATIONS		
<b>CRT</b>	<b>Type</b>	6-inch rectangular type with internal graticule; 0%, 10%, 90% and 100% markers. 8 x 10 DIV (1 DIV=1 cm)
	<b>Phosphor</b>	P31
	<b>Accelerating Potential</b>	12 kV
	<b>Illumination</b>	Continuously adjustable
	<b>Z-axis input</b>	Input Impedance : Approx. 5kΩ Sensitivity : Above 3Vp-p Bandwidth : DC ~ 5MHz
<b>VERTICAL SYSTEM</b>	<b>Sensitivity</b>	5mV ~ 5V/DIV $\pm 3\%$ , 1mV ~ 2mV/DIV $\pm 5\%$
	<b>Bandwidth</b>	DC ~ 50MHz
		DC ~ 15MHz at 1mV ~ 2mV/DIV
	<b>Rise Time</b>	7nS (23.3nS at 1mV ~ 2mV/DIV)
	<b>Signal Delay</b>	Leading edge can be monitored
	<b>Input Impedance</b>	Approx. 1MΩ
	<b>Input Coupling</b>	AC, DC, GND
<b>Vertical Mode</b>	CH1, CH2, DUAL, CH2 INV, ADD.(Dual automatic switching ALT and CHOP)	
<b>HORIZONTAL SYSTEM</b>	<b>A (main) Sweep Time</b>	0.1μS ~ 0.5S / DIV $\pm 3\%$ , 100nS ~ 50mS / DIV $\pm 5\%$ (x 10MAG), 10nS ~ 50nS/DIV $\pm 8\%$ (x 10MAG)
	<b>B (delay) Sweep Time</b>	0.1μS ~ 0.5mS / DIV $\pm 3\%$ , 100nS ~ 50μS / DIV $\pm 5\%$ (x 10MAG), 10nS ~ 50nS / DIV $\pm 8\%$ (x 10MAG)
	<b>Delay Time</b>	1μS ~ 5mS, $\pm 5\%$
	<b>Delay Time Jitter</b>	Better than 1:10000
<b>TRIGGER</b>	<b>Trigger Mode</b>	AUTO, NORM, SINGLE
	<b>Trigger Source</b>	CH1, CH2, ALT, LINE, EXT
	<b>Trigger Coupling</b>	AC, DC, HR, REJ, TV
	<b>Trigger Slope</b>	"+" or "-"
<b>X-Y OPERATION</b>	<b>Sensitivity</b>	5mV ~ 5V / DIV $\pm 4\%$
	<b>X-axis Bandwidth</b>	DC ~ 2MHz
	<b>Phase Error</b>	3° or less from DC ~ 100kHz
<b>OUTPUT SIGNAL</b>	<b>Trigger Signal Output</b>	Voltage : approx. 50mV / DIV into 50Ω
	<b>Calibrator Output</b>	1kHz Squarewave, 2Vpp $\pm 2\%$
<b>POWER SOURCE</b>	AC 100V / 120V / 220V / 230V $\pm 10\%$ , 50 / 60Hz	
<b>ACCESSORIES</b>	Power cord x 1; Instruction manual x 1 ; Probes(10:1/1:1)x2	
<b>DIMENSIONS &amp; WEIGHT</b>	310(W) x 150(H) x 455(D) mm Approx. 8.2kg	