

# Cursor Readout Analog Oscilloscope



## FEATURES

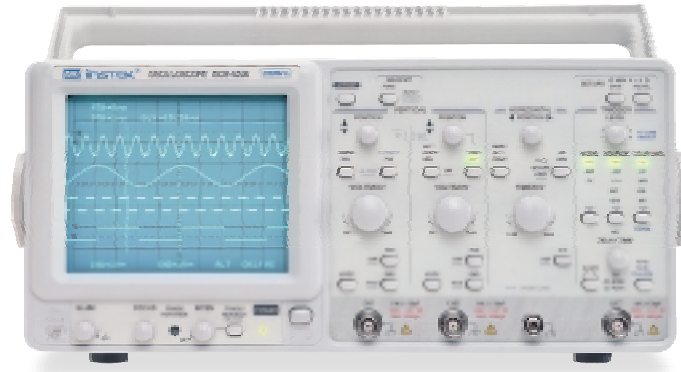
- \* 200MHz Bandwidth, Dual Channel, Delayed Sweep
- \* Auto Set
- \* Built-in 6 Digits Universal Counter
- \* Cursor Readout with 7 Measurements
- \* 10 Sets Memory for Front Panel Setting Save & Recall
- \* TV-Line Selection (NTSC, PAL, SECAM)
- \* Panel Setup Lock of Digital-Control Functions
- \* Buzzer Alarm
- \* LED Indicators
- \* Trigger Signal Output
- \* Z-axis Modulation Input
- \* SMD Technology, High Stability and Reliability

## GOS-6200 (200MHz)

## SPECIFICATIONS

System	Parameter	Specification																												
CRT	Type	6-inch rectangular type with internal graticule; 0%, 10%, 90% and 100% markers 8 x 10 div (1 div = 1 cm)																												
	Accelerating Potential Illumination Z-axis input	14 kV approx. Continuously adjustable Coupling : DC Sensitivity: 5V or more Maximum input voltage : 30V (DC + AC peak) at 1kHz or less Bandwidth : DC ~ 5 MHz																												
VERTICAL SYSTEM	Sensitivity	2mV~5V/div, 11 step in 1-2-5 sequence																												
	Sensitivity Accuracy Vernier Vertical Sensitivity Bandwidth(-3dB) Rise Time Signal Delay Max. Input Voltage Input Coupling Input Impedance Vertical Mode Bandwidth Limited Common-Mode Rejection Ratio Dynamic Range	≤ 3% (5div at the center of display) Continuously variable to 1/2.5 or less of panel-indicate value DC~200MHz (5mV/div:DC~150MHz) ; (2mV/div:DC~20MHz) 1.75ns (5mV/div:2.33ns) ; (2mV/div:17.5ns) Leading edge can be monitored 400V(DC+AC peak) at 1kHz or less AC, DC, GND 1MΩ ± 2% // approx. 25pF CH1,CH2,DUAL(CHOP/ALT), ADD, CH2 INV. 20MHz 50:1 or better at 50kHz 8 div at 100MHz; 5div at 200MHz																												
HORIZONTAL SYSTEM	Horizontal Modes	MAIN(A), ALT, DELAY(B)																												
	A(main) Sweep Time B(delay) Sweep Time Accuracy Sweep Magnification Hold Off Time Delay Time Delay Jitter Alternate Separation	20ns~0.5s/div, continuously variable (UNCAL) 20ns~50ms/div ± 3% (± 5% at x 10 MAG) x 10 (maximum sweep time 2ns/div) Variable 1 μs~5s Better than 1:20000 Variable																												
TRIGGER	Trigger Modes	AUTO, NORM, TV																												
	Trigger Source Trigger Coupling Trigger Slope Trigger Sensitivity	CH1, CH2, LINE, EXT, EXT/10 AC, DC, HFR, LFR, NR "+" or "-" polarity or TVsync polarity																												
TRIGGER	Trigger Level Range TV Triggering TV-Line Selection	<table border="1"> <thead> <tr> <th>Mode</th> <th>Frequency</th> <th>INT</th> <th>EXT</th> <th>EXT/10</th> </tr> </thead> <tbody> <tr> <td rowspan="2">AUTO</td> <td>10 Hz ~ 20 MHz</td> <td>0.35 div</td> <td>50 mV</td> <td>500 mV</td> </tr> <tr> <td>20 MHz ~ 200 MHz</td> <td>1.5 div</td> <td>150 mV</td> <td>1.5 V</td> </tr> <tr> <td rowspan="2">NORM</td> <td>DC ~ 20 MHz</td> <td>0.35 div</td> <td>50 mV</td> <td>500 mV</td> </tr> <tr> <td>20 MHz ~ 200 MHz</td> <td>1.5 div</td> <td>150 mV</td> <td>1.5 V</td> </tr> <tr> <td>TV</td> <td>sync signal</td> <td>1 div</td> <td>200 mVpp</td> <td>2 Vpp</td> </tr> </tbody> </table>	Mode	Frequency	INT	EXT	EXT/10	AUTO	10 Hz ~ 20 MHz	0.35 div	50 mV	500 mV	20 MHz ~ 200 MHz	1.5 div	150 mV	1.5 V	NORM	DC ~ 20 MHz	0.35 div	50 mV	500 mV	20 MHz ~ 200 MHz	1.5 div	150 mV	1.5 V	TV	sync signal	1 div	200 mVpp	2 Vpp
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Max. External Input Voltage External Input Impedance	400V(DC+AC peak) at 1kHz 1MΩ ± 5% // approx.25pF																													
X-Y OPERATION	Mode Sensitivity Accuracy X-axis Bandwidth Phase Error	X-axis: selectable CH1, EXT, EXT/10 ; Y-axis: selectable CH1, CH2, CH1 and CH2 2mV~5V/div ±3%;EXT : 0.1V/div ± 5%; EXT/10 : 1V/div ±5% DC~500kHz(-3dB) 3° or less from DC~50kHz																												

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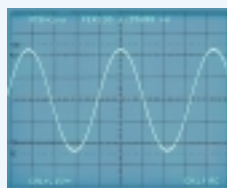
## GOS-6200(200MHz)

		SPECIFICATIONS
<b>OUTPUT SIGNAL</b>	Trigger Signal Output Calibrator Output	Voltage : approx. 25mV/div into 50Ω ;Frequency response : DC ~ 10MHz 1kHz square wave, 2Vpp ± 2%
<b>CURSOR READOUT FUNCTION</b>	Cursor Measurement Function Cursor Resolution Effective Cursor Range Panel Setting Display	$\Delta V, \Delta V\%, \Delta VdB, \Delta T, 1/\Delta T, \Delta T\%, \Delta \theta$ 1/100 div Vertical: ± 3div; Horizontal: ± 4 div Vertical: V/div(CH1, CH2), UNCAL, ALT/CHOP/ADD, INV, probe factor, AC/DC/GND Horizontal: s/div(MTB, DTB), UNCAL, x 10MAG, delay time, HO Trigger: source, coupling, slope, level, TV-V, TV-H Others: X-Y, lock, save/recall MEM 0-9
<b>AUTO MEASUREMENT FUNCTION</b>	Parameter Function Display Digits Frequency Range Accuracy Measuring Sensitivity	FREQ, PERIOD, ±WIDTH, ±DUTY (+ or - polarity selected by trigger slope) Max. 6-digits, decimal 50Hz ~ 200MHz 1kHz ~ 200MHz : ± 0.01%; 50Hz ~ 1kHz ± 0.05% > 2 DIV (Measuring source selected from CH1 and CH2 as synchronous signal sources)
<b>SPECIAL FUNCTION</b>	Auto Set Panel Setting Save & Recall Panel Setups Lock	Input Channel: CH1, CH2; Frequency Response 50Hz ~ 50MHz 10 sets Provided
<b>POWER SOURCE</b>		AC 100V/120V/230V ± 10% , 50/60Hz
<b>ACCESSORIES</b>		Instruction manual x 1, Power cord x 1, GLF-250 Probe (10:1/1:1) x 2
<b>DIMENSIONS &amp; WEIGHT</b>		310(W) x 150(H) x 470(D) mm ; Approx. 9kg

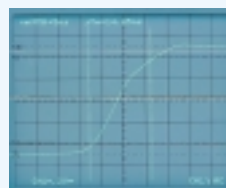
### AUTO AND CURSOR MEASUREMENT FUNCTIONS



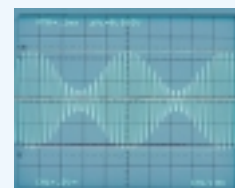
AUTO Mode : Frequency



AUTO Mode : Period

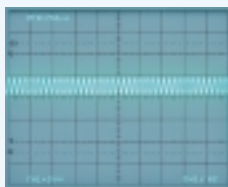


RISE Time ( $\Delta T$ )

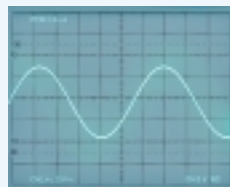


Voltage ( $\Delta V$ )

### AUTOSET FUNCTION



Before AUTOSET



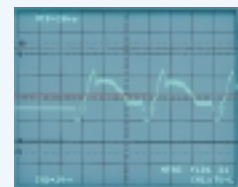
After AUTOSET

Screen after unknown signal input. Optimum screen display after pressing a button.

### TV FIELD/LINE SELECTOR



TV - H



TV - L

### ORDERING INFORMATION

**GOS-6200** 200MHz Cursor Readout Analog Oscilloscope

#### Option

**Opt. 01** : GTC-001 Instrument Cart, 450(W) x 430(D) mm

**Opt. 02** : GTC-002 Instrument Cart, 330(W) x 430(D) mm