

Cursor Readout Analog Oscilloscope



FEATURES :

- * 200MHz, Dual Channel, Delayed Sweep
- * Built-in 6 Digit Universal Counter
- * Auto Set
- * TV-Line Selection (NTSC, PAL, SECAM)
- * 10 Sets Memory for SAVE & RECALL of Front Panel Setting
- * Cursor Readout with 7 Measurements
- * 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)

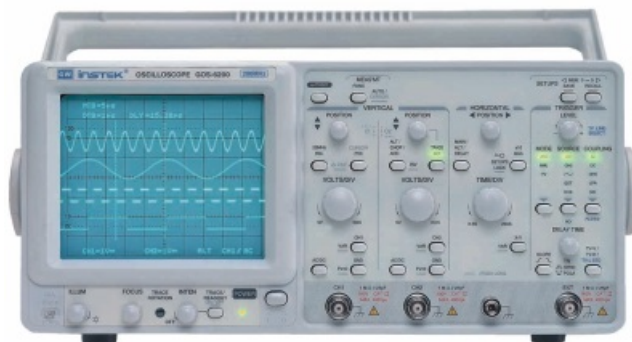
SPECIFICATIONS

SPECIFICATIONS																																								
CRT	Type Phosphor Accelerating Potential Illumination Z-axis input	6-inch rectangular type with internal graticule; 0%, 10%, 90% and 100% markers. 8 x 10 DIV (1 DIV = 1 cm) P31 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 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	2mV~5V/DIV, 11 step in 1-2-5 sequence ≤3% (5DIV at the center of display) Continuously variable to 1/2.5 or less of panel-indicate value DC~200MHz(2mV/DIV:DC~20MHz) 1.75ns (2mV/DIV:17.5ns) Leading edge can be monitored 400V(DC+AC _{peak}) at 1kHz or less AC, DC, GND 1MW ± 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 A(main) Sweep Time B(delay) Sweep Time Accuracy Sweep Magnification Hold Off Time Delay Time Delay Jitter Alternate Separation	MAIN(A), ALT, DELAY(B) 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 Trigger Source Trigger Coupling Trigger Slope Trigger Sensitivity Trigger Level Range TV Triggering TV-Line Selection	AUTO, NORM, TV CH1, CH2, LINE, EXT, EXT/10 AC, DC, HFR, LFR, NR "+" or "-" polarity or TVsync polarity <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 mV_{pp}</td> <td>2 V_{pp}</td> </tr> </tbody> </table> INT: ±4DIV or more; EXT: ±0.4V or more; EXT/10: ±4V or more Mode : TV-V, TV-H, TV-LINE <table border="1"> <thead> <tr> <th>Standard</th> <th>Field 1</th> <th>Field 2</th> </tr> </thead> <tbody> <tr> <td>NTSC (525H)</td> <td>1H ~ 263H</td> <td>1H ~ 262H</td> </tr> <tr> <td>PAL (625H)</td> <td rowspan="2">1H ~ 313H</td> <td rowspan="2">1H ~ 312H</td> </tr> <tr> <td>SECAM (625H)</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 mV _{pp}	2 V _{pp}	Standard	Field 1	Field 2	NTSC (525H)	1H ~ 263H	1H ~ 262H	PAL (625H)	1H ~ 313H	1H ~ 312H	SECAM (625H)
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 mV _{pp}	2 V _{pp}																																				
Standard	Field 1	Field 2																																						
NTSC (525H)	1H ~ 263H	1H ~ 262H																																						
PAL (625H)	1H ~ 313H	1H ~ 312H																																						
SECAM (625H)																																								
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																																						

B4

ISO-9001 & ISO-14001

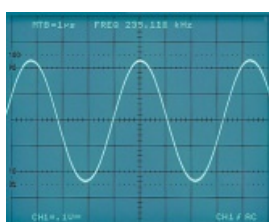
Cursor Readout Analog Oscilloscope



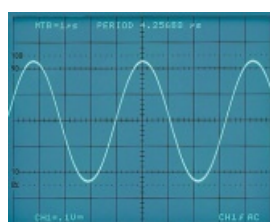
GOS-6200(200MHz)

SPECIFICATIONS		
OUTPUT SIGNAL	Trigger Signal Output Calibrator Output	Voltage : approx. 25mV/DIV into 50Ω ; Frequency response : DC ~ 10MHz 1kHz square wave, 2Vpp ± 2%
CURSOR READOUT FUNCTION	Cursor Measurement Function Cursor Resolution Effective Cursor Range Panel Setting Display	ΔV, ΔV%, ΔVdB, ΔT, 1/ΔT, ΔT%, Δθ 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
AUTO MEASUREMENT FUNCTION	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)
SPECIAL FUNCTION	Auto Set Panel Setting Save & Recall Panel Setups Lock	Input Channel: CH1, CH2; Frequency Response 50Hz ~ 50MHz 10 sets Provided
POWER SOURCE		AC 100V/120V/230V ± 10% , 50/60Hz
ACCESSORIES		Power cord x 1; Instruction manual x 1; GLF-250 Probe (10:1/1:1) x 2
DIMENSIONS & WEIGHT		310(W) x 150(H) x 470(D) mm ; Approx. 9kg

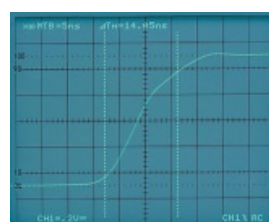
AUTO AND CURSOR MEASUREMENT FUNCTIONS



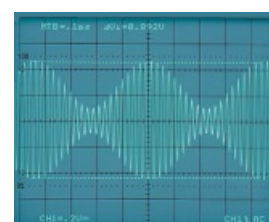
AUTO Mode : Frequency



AUTO Mode : Period

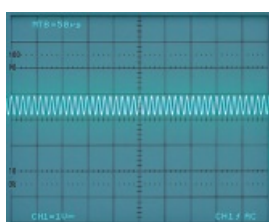


RISE Time (ΔT)

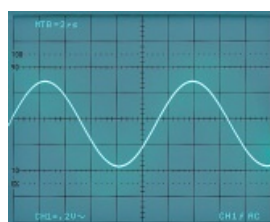


Voltage (ΔV)

AUTOSET FUNCTION

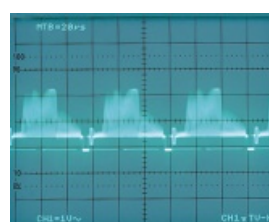


Before AUTOSET
Screen after unknown signal input.

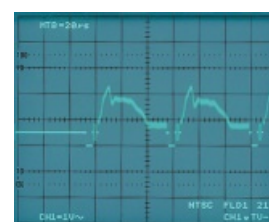


After AUTOSET
Optimum screen display after pressing a button.

TV FIELD/LINE SELECTOR



TV - H



TV - L