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Find the *Instek GOS-6200* at our website: ***Click HERE***

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

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	14 kV approx.
	Illumination	Continuously adjustable
	Z-axis input	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	≤3% (5div at the center of display)
	Vernier Vertical Sensitivity	Continuously variable to 1/2.5 or less of panel-indicate value
	Bandwidth(-3dB)	DC~200MHz (5mV/div:DC~150MHz) ; (2mV/div:DC~20MHz)
	Rise Time	1.75ns (5mV/div:2.33ns) ; (2mV/div:17.5ns)
	Signal Delay	Leading edge can be monitored
	Max. Input Voltage	400V(DC+AC peak) at 1kHz or less
	Input Coupling	AC, DC, GND
	Input Impedance	1MΩ± 2% // approx. 25pF
	Vertical Mode	CH1,CH2,DUAL(CHOP/ALT), ADD, CH2 INV.
	Bandwidth Limited	20MHz
	Common-Mode Rejection Ratio	50:1 or better at 50kHz
	Dynamic Range	8 div at 100MHz; 5div at 200MHz
HORIZONTAL SYSTEM	**Horizontal Modes**	MAIN(A), ALT, DELAY(B)
	A(main) Sweep Time	20ns~0.5s/div, continuously variable (UNCAL)
	B(delay) Sweep Time	20ns~50ms/div
	Accuracy	± 3% (± 5% at x 10 MAG)
	Sweep Magnification	x 10 (maximum sweep time 2ns/div)
	Hold Off Time	Variable
	Delay Time	1μs~5s
	Delay Jitter	Better than 1:20000
	Alternate Separation	Variable
TRIGGER	**Trigger Modes**	AUTO, NORM, TV
	Trigger Source	CH1, CH2, LINE, EXT, EXT/10
	Trigger Coupling	AC, DC, HFR, LFR, NR
	Trigger Slope	"+" or "-" polarity or TVsync polarity
	Trigger Sensitivity	(see table below)
	Trigger Level Range	INT: ±4div or more; EXT: ± 0.4V or more; EXT/10: ± 4V or more
	TV Triggering	Mode : TV-V, TV-H, TV-LINE
	TV-Line Selection	(see table below)
	Max. External Input Voltage	400V(DC+AC peak) at 1kHz
	External Input Impedance	1MΩ±5% // approx.25pF
X-Y OPERATION	**Mode**	X-axis: selectable CH1, EXT, EXT/10 ; Y-axis: selectable CH1, CH2, CH1 and CH2
	Sensitivity Accuracy	2mV~5V/div ±3%;EXT : 0.1V/div ± 5%; EXT/10 : 1V/div±5%
	X-axis Bandwidth	DC~500kHz(-3dB)
	Phase Error	3° or less from DC~50kHz

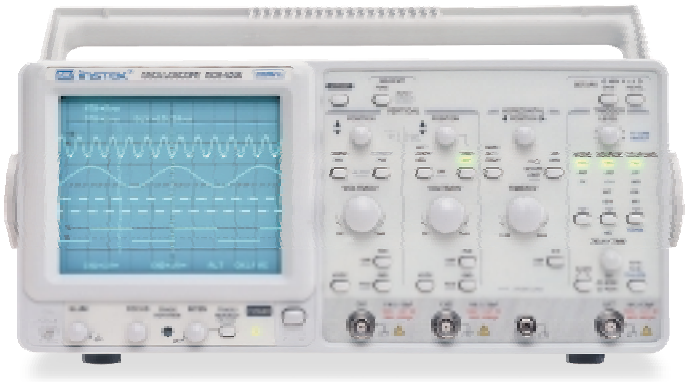
Trigger Sensitivity

Mode	Frequency	INT	EXT	EXT/10
AUTO	10 Hz ~ 20 MHz 20 MHz ~ 200 MHz	0.35 div 1.5 div	50 mV 150 mV	500 mV 1.5 V
NORM	DC ~ 20 MHz 20 MHz ~ 200 MHz	0.35 div 1.5 div	50 mV 150 mV	500 mV 1.5 V
TV	sync signal	1 div	200 mVpp	2 Vpp

TV-Line Selection

Standard	Field 1	Field 2
NTSC (525H)	1H ~ 263H	1H ~ 262H
PAL (625H)	1H ~ 313H	1H ~ 312H
SECAM (625H)		

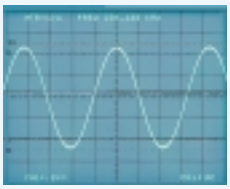
Cursor Readout Analog Oscilloscope



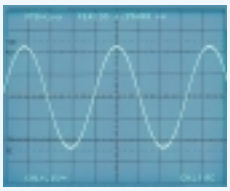
GOS-6200(200MHz)

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**	△V,△V%,△VdB, △T, 1/△T, △T%, △θ 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		Instruction manual x 1, Power cord x 1, GLF-250 Probe (10:1/1:1) x 2
DIMENSIONS & WEIGHT		310(W) x 150(H) x 470(D) mm ; Approx. 9kg

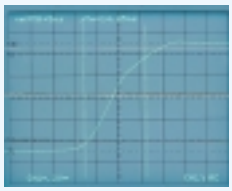
AUTO AND CURSOR MEASUREMENT FUNCTIONS



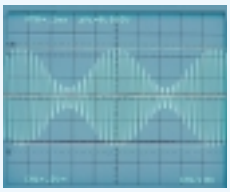
AUTO Mode : Frequency



AUTO Mode : Period

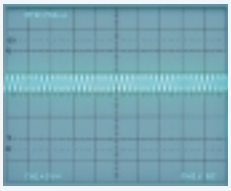


RISE Time (△T)

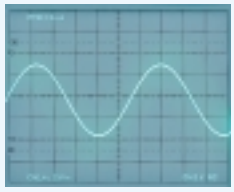


Voltage (△V)

AUTOSET FUNCTION



Before AUTOSET
Screen after unknown signal input.

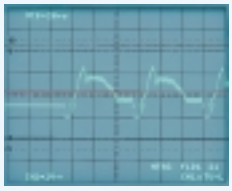


After AUTOSET
Optimum screen display after pressing a button.

TV FIELD/LINE SELECTOR



TV - H



TV - L

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

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