

GOS-3020/GOS-3030/GOS-3040 DUAL CHANNEL OSCILLOSCOPE

Features:

- 20MHz/30MHz/40MHz dual channel series
- 1mV/DIV high sensitivity
- Wide vertical range 20V/DIV
- TV synchronizing
- Z axis input
- Vertical mode triggering
- CH1 output



GOS-3020

Specifications

		GOS-3020	GOS-3030	GOS-3040		
CRT	Type	6" rectangle, internal graticule, 0%, 10% 90% and 100% marks				
	Display Area	8 x 10DIV (1DIV=10mm)				
	Accelerating Voltage	1.9kV	2kV	12kV		
	Intensity and Focusing	Continuously adjustable at front panel				
	Trace Rotation	Adjustable at front panel				
VERTICAL SYSTEM	Sensitivity and Accuracy	5mV/DIV - 20mV/DIV +/-3%, 1mV/DIV - 2mV/DIV +/-5%, 12 calibration steps in 1-2-5 sequence, x5 MAG only CH1				
	Trimming Ratio	≥ 2.5 : 1				
	Band Width(-3dB)	DC(AC 10Hz) - 20MHz	DC(AC 10Hz) - 30MHz	DC(AC 10Hz) - 40MHz		
	Rise Time	≤ 17.5ns	≤ 12ns	≤ 8.75ns		
	Input Impedance	Approx. 1MΩ +/-3%, 30pF +/-5pF				
	Input Coupling	DC/AC/GND				
	Max. Input Voltage	400V(DC+ACpeak) at 1kHz or less				
	Vertical Mode	CH1/CH2/DUAL(CHOP, ALT)/ADD/CH2 inverse				
CH1 Signal Output	25mV/DIV 50Ω, 20Hz - 10MHz(-3dB)					
HORIZONTAL SYSTEM	Sweep Time	0.2 μs - 0.2s/DIV 19 steps in 1-2-5 sequence				
	Sweep Accuracy	+/-3%, +/-5% at 10 MAG				
	Trimming Ratio	≥ 2.5 : 1				
	Sweep Magnification	x 10 MAG				
	Max. Sweep Time	20nS/DIV				
TRIGGER SYSTEM	Mode	AUTO/NORM/TV				
	Source	VERT-MODE/CH1/EXT/LINE				
	Coupling	AC				
	Polarity	"+" or "-"				
	Trigger Sensitivity		10Hz - 10MHz	10MHz - 20MHz	20MHz - 30MHz	30MHz - 40MHz
		INT	0.5DIV	1.5DIV	1.5DIV	1.5DIV
		EXT	0.2	0.2	0.2	0.2
External Trigger Input	Input impedance: 1MΩ +/-3% 25pF +/-5pF Max. input voltage: 400V TV SYNC pulse 1DIV or 1V (EXT)					
X-Y OPERATION	Input	X-axis: CH1, Y-axis: CH2				
	Sensitivity and Accuracy	5mV-20V/DIV +/-3%, 1mV-2mV/DIV +/-5%				
	Band Width(-3dB)	Axis X: DC - 500kHz	Axis X: DC - 1MHz	Axis X: DC - 1MHz		
	Phase Difference	≤ 3° from DC to 50kHz				
AXIS Z	Sensitivity	5V				
	Polarity	Negative going input increase intensity				
	Input Impedance	20kΩ - 30kΩ				
	Usable frequency Range	DC - 2MHz				
	Max. Input Voltage	30V (DC+ACpeak)				
CALIBRATION	Signal	1kHz 0.5Vpp square wave				
POWER SOURCE	AC110-127V/220-240V +/-10%, 50/60Hz					