



Analog Oscilloscope

Model: PS-1000



CRT	Type	Rectangular with integral graticule.
	Display Area	8 x 10 div (1 div = 1 cm)
	Accelerating Voltage	14 kV.
	Phosphor	P31.
Vertical Amplifiers (CH 1 and CH 2)	Sensitivity	5 mV / div to 5 V / div (X1 mode). 1 mV / div to 1 V / div (X5 mode). 1-2-5 sequence, 10 step attenuator.
	Accuracy	± 3 % (X1 mode); ± 5 % (X 5 modes).
	Input Resistance	1 MΩ ± 2 %
	Input Capacitance	25 pF ± 10 pF.
Frequency Response	5 mV to 5 V / div (CAL)	DC to 25 MHz (-3 dB).
	1 mV / div (CAL)	5mV/div~5V/div: DC~50MHz(-3db)
	Rise Time	Approximately 3.5 ns.
Operating Modes	CH1	CH 1, single trace.
	CH2	CH 2, single trace.
	ALT	Dual trace, alternating.
	CHOP	Dual trace, chopped.
	ADD	Algebraic sum of CH 1 + CH 2.
Max. Amplitude	DC-to-120 MHz	4 divisions.
	DC-to-60 MHz	8 divisions.
Accuracy	Y-Axis	± 3%.
	X-Axis	± 6%.
	Input Impedance	1MΩ //25PF
	Frequency Response	DC to 1 MHz typical (-3 dB).
	X-Y Phase Difference	Approximately 3° at 50 kHz.
	Maximum Input Voltage	400V dc + ac peak
Sweep System	Sweep Speed	20 ns/div to 0.5 s/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.
	Accuracy	± 3 %.
	Sweep Magnification	10X, ± 10% extend sweep ; speed up to 2 ns/div.
	Hold-off	Continuously adjustable from NORM to 5 x normal.
Triggering	Trigger Modes	AUTO (free run) or NORM.
	Trigger Source	CH1, CH2, ALT, EXT, LINE.
	Max External Trigger Voltage	300 V dc + ac peak.
Trigger Coupling	AUTO (AC)	30 Hz to 120 MHz
	TV-H (AC)	Used for triggering from horizontal sync pulses.
	TV-V (DC)	Used for triggering from vertical sync pulses.
Trigger Sensitivity	Internal	1.0 division.
	External	200 mV.
Polarity Reversal (Invert)		CH 2 only.
Maximum Input Voltage		400 V dc + ac peak.
Calibrating Voltage		1 kHz (nominal) +ve Square Wave, 0.5 V p-p (± 3%)
Trace Rotage		Electrical, front panel adjustable.
Power Requirements		115/230 VAC ± 10%, 50/60Hz, 60 W.
Dimensions / Weight		324 x 132 x 398 mm / Approximately 8.5 kg