

PS-500

CRT	
Type :	Rectangular with integral graticule.
Display Area :	8 x 10 div (1 div = 1 cm)
Accelerating Voltage :	2.1 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. Vernier control provides fully adjustable attenuation between steps.
Accuracy :	± 3 % (X1 mode), ± 5 % (X5 mode).
Input Resistance:	1 M Ω ± 2 %
Input Capacitance:	25 pF ± 10 pF.
Frequency Response:	5 mV to 5 V / div (CAL):DC to 50 MHz (-3 dB). 1 mV / div : DC to 15 MHz (-3 dB).
Rise Time:	Approximately 7.0 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.
Polarity Reversal (Invert):	CH 2 only.
Maximum Input Voltage:	400 V dc + ac peak.
HORIZONTAL AMPLIFIER	
(Input through channel 1 input)	
X-Y mode:	1mv/div to 5v/div
Sensitivity:	DC~1MHz(-3db)
Accuracy:	Y-Axis: ±3%. X-Axis: ± 6%.
Input Impedance:	1M Ω //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:	0.1 μ s/div to 2S/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.
Accuracy:	±3 %.
Sweep Magnification:	10X, ±10%(2S/DIV - 0.2 μ S/DIV). extend sweep speed up to 10nS/DIV.
Holdoff:	Continuously adjustable from NORM to 5 times normal.
TRIGGERING	
Trigger Modes:	AUTO (free run) or NORM.
Trigger Source:	CH1, CH2, ALT, EXT, LINE.
Maximum External Trigger Voltage:	300 V dc + ac peak.
Trigger Coupling:	AC : 30 Hz to 50 MHz. TV - H (AC) : Used for triggering from horizontal sync pulses.TV - V : (DC) Used for triggering from vertical sync pulses.
Trigger Sensitivity:	Internal: 0.5 division (1 division with TV Coupling). External: 500 mV.

OTHER SPECIFICATIONS

Calibrating Voltage:	1 kHz (nominal) Positive Square Wave, 2.0 V p-p ($\pm 3\%$)
Trace Rotage:	Electrical, front panel adjustable.
Power Requirements:	115, 230 VAC $\pm 10\%$, 50 / 60 Hz, approximately 40 W.
Dimensions:	324 x 132 x 398 mm (12.8 x 5.2 x 15.6").
Weight:	Approximately 7.8 kg (17.2 lbs).
Rated Range of Use	10°C-35°C, 10-80% R.H.
Limits of Operation:	0°C-50°C, 10-80% R.H
Storage Environment	-30°C-70°C, 10-90% R.H.
C E STANDARD:	E.M.C. Regulations-1992 (E.C. Directive 89/336/EEC) EN 50081-1 Emissions. EN 50082-1 Immunity.