

## PS-1000

<b>CRT</b>	
<b>Type :</b>	Rectangular with integral graticule.
<b>Display Area :</b>	8 x 10 div ( 1 div = 1 cm )
<b>Accelerating Voltage :</b>	14 kV.
<b>Phosphor :</b>	P31.
<b>VERTICAL AMPLIFIERS ( CH 1 and CH 2 )</b>	
<b>Sensitivity :</b>	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.
<b>Accuracy :</b>	± 3 % ( X1 mode ). ± 5 % ( X5 mode ).
<b>Input Resistance:</b>	1 MΩ ± 2 %
<b>Input Capacitance:</b>	25 pF ± 10 pF.
<b>Frequency Response:</b>	
<b>5 mV to 5 V / div ( CAL ):</b>	DC to 25 MHz (-3 dB).
<b>1 mV / div (CAL):</b>	5mV/div~5V/div: DC~50MHz(-3db)
<b>Rise Time:</b>	Approximately 3.5 ns.
<b>Operating Modes:</b>	
<b>CH1:</b>	CH 1, single trace.
<b>CH2:</b>	CH 2, single trace.
<b>ALT:</b>	Dual trace, alternating.
<b>CHOP:</b>	dual trace, chopped.
<b>ADD:</b>	algebraic sum of CH 1 + CH 2.
<b>Polarity Reversal (Invert):</b>	CH 2 only.
<b>Maximum Input Voltage:</b>	400 V dc + ac peak.
<b>Maximum Undistorted Amplitude:</b>	
<b>DC-to-120 MHz:</b>	4 divisions.
<b>DC-to-60 MHz:</b>	8 divisions.
<b>HORIZONTAL AMPLIFIER ( Input through channel 1 input )</b>	
<b>X-Y mode:</b>	switch selectable using X-Y switch.
<b>CH 1:</b>	X axis.
<b>CH 2:</b>	Y axis.
<b>Sensitivity:</b>	1mV/DIV - 5V/DIV
<b>Accuracy:</b>	
<b>Y-Axis:</b>	± 3%.
<b>X-Axis:</b>	± 6%.
<b>Input Impedance:</b>	1MΩ //25PF
<b>Frequency Response:</b>	DC to 1 MHz typical ( -3 dB ).
<b>X-Y Phase Difference:</b>	Approximately 3° at 50 kHz.

<b>Maximum Input Voltage:</b>	400V dc+ac peak
<b>SWEEP SYSTEM</b>	
<b>Sweep Speed:</b>	20 ns/div to 0.5 s/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.
<b>Accuracy:</b>	± 3 %.
<b>Sweep Magnification:</b>	10X, ± 10% extend sweep speed up to 2 ns/div.
<b>Holdoff:</b>	Continuously adjustable from NORM to 5 times normal.
<b>TRIGGERING</b>	
<b>Trigger Modes:</b>	AUTO ( free run ) or NORM.
<b>Trigger Source:</b>	CH1, CH2, ALT, EXT, LINE.
<b>Maximum External Trigger Voltage:</b>	300 V dc + ac peak.
<b>Trigger Coupling:</b>	
<b>AUTO ( AC ):</b>	30 Hz to 120 MHz.
<b>TV-H ( AC ):</b>	Used for triggering from horizontal sync pulses.
<b>TV-V ( DC ):</b>	Used for triggering from vertical sync pulses.
<b>Trigger Sensitivity:</b>	
<b>Internal:</b>	1.0 division.
<b>External:</b>	200 mV.
<b>OTHER SPECIFICATIONS</b>	
<b>Calibrating Voltage:</b>	1 kHz ( nominal ) Positive Square Wave, 0.5 V p-p ( ± 3% )
<b>Trace Rotage:</b>	Electrical, front panel adjustable.
<b>Power Requirements:</b>	115/230 VAC ± 10%, 50/60Hz, ? approximately 60 W.
<b>Dimensions:</b>	324 x 132 x 398 mm ( 12.8 x 5.2 x 15.6" ).
<b>Weight:</b>	Approximately 8.5 kg ( 18.7 lbs ).
<b>C E STANDARD:</b>	E.M.C. Regulations-1992 )E.C. Directive 89/336/EEC)EN 50081-1 Emissions. EN 50082-1 Immunity.