

## PS-350

<b>CRT Type:</b> <b>Display Area :</b> <b>Accelerating Voltage :</b> <b>Phosphor :</b>	Rectangular with integral graticule. 8 x 10 div ( 1 div = 1 cm ) 2.1 kV P31.
<b>VERTICAL AMPLIFIERS ( CH 1 and CH 2 )</b>	
<b>Accuracy :</b>	$\pm 3\%$ ( X1 mode ), $\pm 5\%$ ( X5 mode ).
<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>Input Resistance:</b> <b>Input Capacitance:</b>	1 M $\Omega$ $\pm$ 2 % 25 pF $\pm$ 10 pF.
<b>Frequency Response:</b>	5 mV to 5 V / div ( CAL ):DC to 40 MHz (-3 dB). 1 mV / div : DC to 15 MHz (-3 dB).
<b>Rise Time:</b>	Less then 8.8 nS
<b>Operaing Modes:</b>	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.
<b>Polarity Reversal (Invert):</b>	CH 2 only.
<b>Maximum Input Voltae:</b>	400 V dc + ac peak.
<b>HORIZONTAL AMPLIFIER</b> ( Input through channel 1 input )	
<b>Sensitivity:</b>	1mv/div to 5v/div
<b>Accuacy:</b>	Y-Axis: $\pm 3\%$ . X-Axis: $\pm 6\%$ .
<b>Input Impedance:</b>	1M $\Omega$ //25PF
<b>Frequency Response:</b>	DC to 1 MHz typical ( -3 dB ).
<b>Maximum Input Voltage:</b>	400V dc+ac pack
<b>X-Y Phase Difference:</b>	Approximately $\pm 3^\circ$ at 50 kHz.
<b>SWEEP SYSTEM</b>	
<b>Sweep Speed:</b>	0.1 $\mu$ s/div to 2S/div in 1-2-5 sequence, 23 steps. Vernier control porvides fully adjustable sweep time between steps.
<b>Accuracy:</b>	+ / -3 %.
<b>Sweep Magnification:</b>	10X, $\pm 10\%$ ( 2S/DIV - 0.2 $\mu$ S/DIV). extend sweep speed up to 10nS/DIV.
<b>Sweep Display Mode:</b>	Main, Mix, Delay.
<b>Hold Off Time:</b>	Continuously adjustable from NORM to 5 times normal
<b>TRIGGERING</b>	
<b>Trigger Coupling:</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>	AC : 30 Hz to 40 MHz. TV - H (AC): Used for triggering from horizontal sync pulses. TV - V : (DC) Used for triggering from vertical sync pulses.
<b>Trigger Sensitivity:</b>	Internal: 0.5 division ( 1 division with TV Coupling ). External: 500 mV.
<b>OTHER SPECIFICATIONS</b>	
<b>Calibrating Voltage:</b>	1 kHz ( nominal ) Positive Square Wave, 2.0 V p-p ( $\pm 3\%$ )
<b>Trace Rotage:</b>	Electrical, front panel adjustable.
<b>Power Requirements:</b>	<b>Max. 6 Vrms ( open circuit ).</b>
<b>Dimensions:</b>	324 x 132 x 398 mm ( 12.8 x 5.2 x 15.6" ).
<b>Weight:</b>	Approximately 7.8 kg ( 17.2 lbs ).
<b>Rated Range of Use</b>	10°C-35°C, 10-80% R.H.
<b>Limits of Operation:</b>	0°C-50°C, 10-80% R.H
<b>Storage Environment</b>	-30°C-70°C, 10-90% R.H.
<b>C E STANDARD:</b>	E.M.C. Regulations-1992 ( E.C. Directive 89/336/EEC ) EN 50081-1 Emissions. EN 50082-1 Immunity.