

PS-600

CRT:	
Type :	Rectangular with integral graticule.
Display Area :	8 x 10 div (1 div = 1 cm)
Accelerating Voltage :	12 kV.
Phosphor :	P31.
VERTICAL AMPLIFIERS (CH 1 and CH 2)	
Sensitivity :	5 mV / div to 5 V / div (X1 mode). 1 mV / div to 5 V / div (X5 mode). 1-2-5 sequence, 10 step attenuator. Vernier control provides fully adjustable attenuation between steps.
Accuracy :	$\pm 3 \%$ (X1 mode). $\pm 5 \%$ (X5 mode).
Input Resistance:	1 M Ω \pm 2 %.
Input Capacitance:	25 pF \pm 10 pF.
Frequency Response:	5 mV to 5 V / div (CAL):DC to 60 MHz (-3 dB). 1 mV / div (CAL): DC to 20 MHz (-3 dB)
Rise Time:	Approximately 5.8 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:	switch selectable using X-Y switch.
CH 1:	X axis.
CH 2:	Y axis.
Sensitivity:	1mv/div to 5v/div
Accuracy:	
Y-Axis:	$\pm 3\%$.
X-Axis:	$\pm 6\%$.
Input Impedance:	1M Ω \pm 2% 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 pack
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:	$\pm 3 \%$.
Sweep Magnification:	10X, $\pm 10\%$
Holdoff:	Continuously adjustable from NORM to 5 times normal.
TRIGGERING	
Trigger Modes:	AUTO (free run) or NORM.
Trigger Source:	CH 1, CH 2, ALT, EXT, LINE.
Maximum External Trigger Voltage:	300 V dc + ac peak
Trigger Coupling:	
AC :	30 Hz to 60 MHz

TV-H :	Used for triggering from horizontal sync pulses.
TV-V :	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.