

## PS-205

<b>CATHODE RAY TUBE</b>	6 inch diagonal, rectangular screen with internal graticule 8 x 10 DIV ( 1 DIV = 1 cm ), P31 phosphor. 2.1 kV accel voltage
<b>VERTICAL DEFLECTION</b>	
<b>Bandwidth :</b>	DC-20 MHz ( -3db )
<b>Sensitivity :</b>	1 mV / DIV - 1 V / DIV ( 10 MHz -3db ). x 5 gain selected. 5 mV / DIV - 5 V / DIV
<b>Attenuator :</b>	1-2-5 sequence. 10 step with variable control.
<b>Input Impedance :</b>	1M $\Omega$ $\pm$ 2%, 25 pF $\pm$ 10 pF
<b>Max. Input Voltage:</b>	400 V ( DC + AC peak ).
<b>Rise Time:</b>	Less then 17.5 nS
<b>Over Shoot:</b>	Less than + / - 5 %
<b>Operation Mode:</b>	CH 1, CH 2, DUAL ( ALT, CHOP ).
<b>Algebraic Addition:</b>	CH 1 + CH 2, CH 1 - CH 2.
<b>Inverter:</b>	CH 2 only.
<b>HOIZONTAL DEFLECTION</b>	
<b>X-Y Mode</b>	switch selectable using X-Y switch CH 1 : X axis. CH 2 : Y axis.
<b>Accuracy:</b>	Y - Axis + / - 3 % X - Axis + / - 6 %
<b>Bandwidth:</b>	DC - 1 MHz ( -3db ).
<b>X-Y Phase Difference:</b>	Approximately 3° at 50 kHz.
<b>SWEEP SYSTEM</b>	
<b>Sweep Display Mode:</b>	Main, Mix, Delay.
<b>Hold Off Time:</b>	5:1 continuously variable. ( 0.1 / FONT>S / DIV )
<b>MAIN SWEEP</b>	
<b>Sweep Speed:</b>	10X, +/- 10% to 2S/div in 1-2-5 sequence, 23 steps.
<b>Accuracy:</b>	+ / - 3 %.
<b>Variable Time Control:</b>	5:1, uncalibrated, continuously variable between steps
<b>Sweep Magnification:</b>	10X, +/- 10% ( 2.0S/DIV - 0.2 $\mu$ S/DIV). extend sweep speed up to 10 nS / DIV.
<b>DELAY SWEEP</b>	
<b>Sweep Speed:</b>	0.1 $\mu$ S / DIV S / DIV - 2.0S / DIV in 1-2-5 sequence 23 steps.
<b>Accuracy:</b>	+ / - 3%.
<b>Sweep Magnification:</b>	10X, +/- 10% ( 2.0S/DIV - 0.2 $\mu$ S/DIV) extend sweep speed up to 10nS/DIV.
<b>Delay Time Position:</b>	Variable control to locate desirable waveform for extending.
<b>TRIGGERING</b>	
<b>Trigger Coupling:</b>	AUTO, NORM. TV-V, TV-H.
<b>Trigger Source:</b>	CH 1, CH2, ALT, LINE, EXT.
<b>Slope:</b>	+ / -
<b>TRIGGER SENSITIVITY COMPONENT TEST</b>	
<b>Test Voltage:</b>	Max. 6 Vrms ( open circuit ).
<b>Test Current</b>	Max. 11 mA ( shorted ).
<b>Test Frequency</b>	Line Frequency.
<b>Components</b>	Capacitor, Inductor, Diode, Transistor, Zener etc.
<b>CH 2 OUTPUT</b>	
<b>Output level</b>	100 mV / DIV ( no load ). 50 mV / DIV ( with 50 $\Omega$ load ).
<b>Bandwidth</b>	20 Hz-20 MHz ( -3db ).

<b>Graticule Illumination</b>	Adjustable.
<b>Calibrator</b>	Square wave 1 KHz $\pm$ 10 %, 2 Vp-p $\pm$ 3 %
<b>Z-Modulation</b>	Positive TTL signal, low level blank intensity at any intensity, high level unblank any intensity.
<b>Trace Rotation</b>	Adjustable on front panel.
<b>Power Source</b>	115, 230VAC $\pm$ 10%, 50/60 Hz.
<b>Power Consumption</b>	Apporx. 38 Watts.
<b>Dimensions</b>	324 (W) x 398 (D) x 132 (H) mm.
<b>Net Weight</b>	Approx. 7.6 kg.
<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.