

PS-205

CATHODE RAY TUBE	6 inch diagonal, rectangular screen with internal graticule 8 x 10 DIV (1 DIV = 1 cm), P31 phosphor. 2.1 kV accel voltage
VERTICAL DEFLECTION	
Bandwidth :	DC-20 MHz (-3db)
Sensitivity :	1 mV / DIV - 1 V / DIV (10 MHz -3db). x 5 gain selected. 5 m V / DIV - 5 V / DIV
Attenuator :	1-2-5 sequence. 10 step with variable control.
Input Impedance :	1M Ω $\pm$ 2%, 25 pF $\pm$ 10 pF
Max. Input Voltage:	400 V (DC + AC peak).
Rise Time:	Less then 17.5 nS
Over Shoot:	Less than + / - 5 %
Operation Mode:	CH 1, CH 2, DUAL (ALT, CHOP).
Algebraic Addition:	CH 1 + CH 2, CH 1 - CH 2.
Inverter:	CH 2 only.
HOIZONTAL DEFLECTION	
X-Y Mode	switch selectable using X-Y switch CH 1 : X axis. CH 2 : Y axis.
Accuracy:	Y - Axis + / - 3 % X - Axis + / - 6 %
Bandwidth:	DC - 1 MHz (-3db).
X-Y Phase Difference:	Approximately 3° at 50 kHz.
SWEEP SYSTEM	
Sweep Display Mode:	Main, Mix, Delay.
Hold Off Time:	5:1 continuously variable. (0.1 / μ S / DIV)
MAIN SWEEP	
Sweep Speed:	10X, +/- 10% to 2S/div in 1-2-5 sequence, 23 steps.
Accuracy:	+ / - 3 %.
Variable Time Control:	5:1, uncalibrated, continuously variable between steps
Sweep Magnification:	10X, +/- 10% (2.0S/DIV - 0.2 μ S/DIV). extend sweep speed up to 10 nS / DIV.
DELAY SWEEP	
Sweep Speed:	0.1 μ S / DIV S / DIV - 2.0S / DIV in 1-2-5 sequence 23 steps.
Accuracy:	+ / - 3%.
Sweep Magnification:	10X, +/- 10% (2.0S/DIV - 0.2 μ S/DIV) extend sweep speed up to 10nS/DIV.

Delay Time Position:	Variable control to locate desirable waveform for extending.
TRIGGERING	
Trigger Coupling:	AUTO, NORM. TV-V, TV-H.
Trigger Source:	CH 1, CH2, ALT, LINE, EXT.
Slope:	+ / -
TRIGGER SENSITIVITY COMPONENT TEST	
Test Voltage:	Max. 6 Vrms (open circuit).
Test Current	Max. 11 mA (shorted).
Test Frequency	Line Frequency.
Components	Capacitor, Inductor, Diode, Transistor, Zener etc.
CH 2 OUTPUT	
Output level	100 mV / DIV (no load). 50 mV / DIV (with 50Ω load).
Bandwidth	20 Hz-20 MHz (-3db).
Graticule Illumination	Adjustable.
Calibrator	Square wave 1 KHz $\pm 10\%$, 2 Vp-p $\pm 3\%$
Z-Modulation	Positive TTL signal, low level blank intensity at any intensity, high level unblank any intensity.
Trace Rotation	Adjustable on front panel.
Power Source	115, 230VAC $\pm 10\%$, 50/60 Hz.
Power Consumption	Apporx. 38 Watts.
Dimensions	324 (W) x 398 (D) x 132 (H) mm.
Net Weight	Approx. 7.6 kg.
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.