

PS-1005 With delay sweep

CATHODE RAY TUBE

6 inch diagonal, rectangular screen with internal graticule
8 x 10 DIV
(1 DIV = 1 cm), P31 phosphor. 14 kV accel voltage.

VERTICAL DEFLECTION

Bandwidth

DC-100 MHz (-3db)

Sensitivity

1 mV / DIV - 1 V / DIV (25 MHz -3db). x 5 gain selected.
5 mV / 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

5mV/DIV - 5V/DIV : 3.5 nS
1mV/DIV : 14 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

20 nS / DIV - 0.5S / DIV in 1-2-5 sequence 23 steps.

Accuracy

+ / - 3 %.

Variable Time Control

5:1, uncalibrated, continuously variable between steps.

Sweep Magnification

10X, +/- 10% extend sweep speed up to 2 nS / DIV.

DELAY SWEEP

Sweep Speed

20 nS / DIV - 0.5S / DIV in 1-2-5 sequence 23 steps.

Accuracy

+ / - 3%.

Sweep Magnification

10X, +/- 10% extend sweep speed up to 2nS/DIV.

Delay Time Position

Variable control to locate desirable waveform for extending.

TRIGGERING

Trigger Coupling

AC,TV-V(DC), TV-H, LINE.

Trigger Source

CH 1, CH2, ALT, LINE, EXT.

Slope

+ / -

TRIGGER SENSITIVITY

COUPLING	BANDWIDTH(Hz)	INT(DIV)	EXT(V)
TV - V	DC - 1 kHz	1.0	0.1
TV - H	1 k - 100 k	1.0	0.1
AUTO	100 - 100 M	2.0	0.2
NORM	100 - 100 M	2.0	0.2

CH 2 OUTPUT

Ouput level

100 mV/DIV (no load).

50 mV/DIV (with 50 Ω load).

Bandwidth

20 Hz-20 MHz (-3 db).

Calibrator

Square wave 1 KHz $\pm$ 10 %, 0.5 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. 60 Watts.

Dimensions

324 (W) x 398 (D) x 132 (H) mm.

Net Weight

Approx. 8.5 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.