



PS-405 - 40MHZ OSCILLOSCOPE.

40 Mhz. Oscilloscope with 2 Probe, Popular Brand

- * SENSITIVITY 1mV/DIV.
- * RESOLUTION 10nS/DIV.
- * DELAY SWEEP, COMP. TESTER.
- * CE, TUV GS, UL, CUL, IEC1010

CATHODE RAY TUBE

6 inch diagonal, rectangular screen with internal graticule 8 x 10 DIV (1 DIV = 1 cm), P31 phosphor.
12KV accel voltage.

VERTICAL DEFLECTION

Bandwidth : DC - 40 MHz (-3db)

Sensitivity : 1 mV / DIV - 1 V / DIV (15 MHz -3db)

x 5 gain selected. 5mV / DIV - 5 V / DIV

Attenuator : 1-2-5 sequence. 10 step with variable control.

Input Impedance : 1ME \pm 2% // 25 pF // 10 pF

Max. Input Voltage: 400 V (DC + AC peak).

Rise Time : 5mV / DIV - 5 V / DIV : 8.8 nS/mV /

DIV : 22 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.

HOLZONTAL 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 ϕ X at 50 kHz.

SWEEP SYSTEM :

Sweep Display Mode: Main, Mix, Delay.

Hold Off Time: 1 continuously variable. (0.1 μ S/DIV)

MAIN SWEEP

Sweep Speed : 0.1 μ s/div 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% extend sweep speed up to 10 nS/DIV.

DELAY SWEEP (PS-405 only)

Sweep Speed

0.1 μ S/DIV-2S/DIV in 1-2-5 sequence 23 steps.

Accuracy : +/- 3%.

Sweep Magnification

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

Delay Time Position

Variable control to located desirable waveform for extending.

TRIGGERING

Trigger Coupling:AUTO, NORM. TV-V, TV-H.

Trigger Source :CH 1, CH2, ALT, LINE, EXT.

Slope :+ / -

TRIGGER SENSITIVITY

COUP.	B.W.(Hz)	INT(div)	EXT(Vp-p)
TV - V	DC-1K	1.0	0.1
TV - H	1K-100K	1.0	0.1
AUTO	100-40M	1.5	0.1
NORM	100-40M	1.5	0.1

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 50 Ω load).

Bandwidth : 20 Hz-15 MHz (-3db).

Graticule Illumination:Adjustable.

Calibrator :Square wave 1KHz \pm 10%,2Vp-p \pm 3 %

Z-Modulation (PS-405 only)

Positive TTL signal, low level blank intensity at any intensity, high level unblank any intensity.

Trace Rotation :Adjustable on front panel.

Power Source :115/230V AC \pm 10%, 50/60 Hz.

Power Consumption:Apporx. 40 Watts.

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

Net Weight :Approx. 7.8 kg.

Rated Range of Use : 10 ϕ J - 35 ϕ J, 10-80% R.H.

Limits of Operation:0 ϕ J - 50 ϕ J, 10-80% R.H.

Storage Environment:- 30 ϕ J - 70 ϕ J, 10-90% R.H.

code no.

PS-405