

PS-608 - 60MHz CURSOR READOUT OSCILLOSCOPE



60 Mhz. Cursor Readout Oscilloscope

- * CURSOR READOUT FUNCTION
 - * 1mV/DIV SENSITIVITY.
 - * 10nS/DIV RESOLUTION.
 - * CE, TUV GS. UL, CUL, IEC
- CRT :
- Type : Rectangular with integral graticule.
Display Area : 8 x 10 div (1 div = 1 cm)
Accelerating Voltage : 12kV.
Phosphor : P31.
- VERTICAL AMPLIFIERS (CH 1 and CH 2)
- Sensitivity :
- 5 mV / div to 5 V / div (X1 mode).
1 mV / div to 1 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: $1\text{ M}\Omega \pm 2\%$.
Input Capacitance: $25\text{ pF} \pm 10\text{ pF}$.
- 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.
Maximum Undistorted Amplitude:
DC-to-60 MHz: 4 divisions.
DC-to-40 MHz: 8 divisions.
- 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:
Maximum Input Voltage: 400v dc+ac peak
SWEEP SYSTEM
Sweep Speed:
0.1 μ s/div to 0.5 s/div in 1-2-5 sequence,
21 steps. 0.2 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: CH1, CH2, ALT, EXT, LINE.
Maximum External Trigger Voltage: 300 V dc + ac peak.
Trigger Coupling: AUTO (AC): 30 Hz to 80 MHz.
TV-H(AC): Used for triggering from horizontal sync pulses.
TV-V(DC): Used for triggering from vertical sync pulses.
READOUT FUNCTION
-Panel setting displays
Vertical axis (CH1, CH2): V/DIV, UNCAL, MAG (Converted Value)
Horizontal axis: S/DIV, UNCAL, MAG (Converted Value)
-Cursor readout function
Voltage difference μ V : μ to REF
Time difference μ T : μ to REF
Frequency difference 1/ μ T: 1/1. μ to REF 1
NOTE: When the X-Y mode, μ V is changed to μ X
and μ T to μ Y.
-Cursor measurement resolution : 1/25 DIV
-Effective cursor range from center graticule
Vertical : within ± 3 DIV
Horizontal : within ± 4 DIV
OTHER SPECIFICATIONS
Calibrating Voltage: 1 kHz (nominal)
Positive Square Wave, 0.5 V p-p ($\pm 3\%$)
Trace Rotate: Electrical, front panel adjustable.
Power Requirements: 115/ 230 VAC $\pm 10\%$, 50/60Hz ,
approximately 60 W.
Dimensions: 324 x 132 x 398 mm (12.8 x 5.2 x 15.6").
Weight: Approximately 8.5 kg (18.7 lbs).

code no.

PS-608