

## PS-1000 - 100MHz OSCILLOSCOPE

POPULAR



100 Mhz. Oscilloscope with 2 Probe

- \* 100MHz BANDWIDTH.
- \* 20MHz LIMIT.
- \* 1mV SENSITIVITY.
- \* 2.0nS RESOLUTION.
- \* CE. TUV GS, UL, CUL, IEC1010

Type : Rectangular with integral graticule.  
Display Area : 8 x 10 div ( 1 div = 1 cm )  
Accelerating Voltage : 14 kV.  
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 : ± 3 % ( X1 mode ). ± 5 % ( X5 mode ).  
Input Resistance : 1 M $\Omega$  [ ± 2 % .  
Input Capacitance: 25 pF ± 10 pF.  
Frequency Response:  
5 mV to 5 V / div ( CAL ): DC to 100 MHz (-3 dB).  
1 mV / div (CAL): DC to 25 MHz (-3 dB).  
Rise Time: Approximately 3.5 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-120 MHz: 4 divisions.  
DC-to-60 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 - 5V/DIV  
Accuracy:Y-Axis:  $\pm 3\%$ ,X-Axis:  $\pm 6\%$ .  
Input Impedance: 1M $\Omega$  //25PF  
Frequency Response:DC to 1 MHz typical ( -3 dB ).  
X-Y Phase Difference:Approximately 3 $\phi$ X at 50 kHz.  
Maximum Input Voltage:400V dc+ac peak  
SWEEP SYSTEM  
Sweep Speed:  
20 ns/div to 0.5 s/div in 1-2-5 sequence, 23 steps. Vernier control provides fully adjustable sweep time between steps.  
Accuracy:  $\pm 3\%$ .  
Sweep Magnification:10X,  $\pm 10\%$  extend sweep speed up to 2 ns/div.  
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 120 MHz.  
TV-H ( AC ): Used for triggering from horizontal sync pulses.  
TV-V ( DC ): Used for triggering from vertical sync pulses.  
Trigger Sensitivity:Internal: 1.0 division.External: 200 mV.  
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 ).  
C E STANDARD:  
E.M.C. Regulations-1992 )  
E.C. Directive 89/336/EEC)  
EN 50081-1 Emissions.  
EN 50082-1 Immunity.

code no.

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