

## PS-355

|   |  |
|---|--|
| <b>CATHODE RAY TUBE</b>                   | 6 inch diagonal, rectangular screen with internal graticule 8 x 10 DIV ( 1 DIV = 1 cm ), P31 phosphor. 2.1 kV accel voltage. |
| <b>VERTICAL DEFLECTION</b>                |  |
| <b>Bandwidth :</b>                        | DC-40 MHz ( -3db )   |
| <b>Sensitivity :</b>                      | 1 mV / DIV - 1 V / DIV ( 15 MHz -3db ). x 5 gain selected. 5 m V/ DIV - 5 V / DIV  |
| <b>Attenuator :</b>                       | 1-2-5 sequence. 10 step with variable control.   |
| <b>Input Impedance :</b>                  | 1M $\Omega$ $\pm$ 2%, 25 pF $\pm$ 10 pF  |
| <b>Max. Input Voltage:</b>                | 400 V ( DC + AC peak ).  |
| <b>Rise Time:</b>                         | Less then 8.8 nS   |
| <b>Over Shoot:</b>                        | Less than + / - 5 %  |
| <b>Operation Mode:</b>                    | CH 1, CH 2, DUAL ( ALT, CHOP ).  |
| <b>Algebraic Addition:</b>                | CH 1 + CH 2, CH 1 - CH 2.  |
| <b>Inverter:</b>                          | CH 2 only.   |
| <b>HOIZONTAL DEFLECTION</b>               |  |
| <b>X-Y Mode</b>                           | switch selectable using X-Y switch CH 1 : X axis. CH 2 : Y axis.   |
| <b>Accuracy:</b>                          | Y - Axis + / - 3 % X - Axis + / - 6 %  |
| <b>Bandwidth:</b>                         | DC - 1 MHz ( -3db ).   |
| <b>X-Y Phase Difference:</b>              | Approximately 3° at 50 kHz.  |
| <b>SWEEP SYSTEM</b>                       |  |
| <b>Sweep Display Mode:</b>                | Main, Mix, Delay.  |
| <b>Hold Off Time:</b>                     | 5:1 continuously variable. ( 0.1 / FONT>S / DIV )  |
| <b>MAIN SWEEP</b>                         |  |
| <b>Sweep Speed:</b>                       | 10X, +/- 10% to 2S/div in 1-2-5 sequence, 23 steps.  |
| <b>Accuracy:</b>                          | + / - 3 %.   |
| <b>Variable Time Control:</b>             | 5:1, uncalibrated, continuously variable between steps   |
| <b>Sweep Magnification:</b>               | 10X, +/- 10% ( 2.0S/DIV - 0.2 $\mu$ S/DIV).<br>extend sweep speed up to 10 nS / DIV.   |
| <b>DELAY SWEEP</b>                        |  |
| <b>Sweep Speed:</b>                       | 0.1 $\mu$ S / DIV S / DIV - 2.0S / DIV in 1-2-5 sequence 23 steps.   |
| <b>Accuracy:</b>                          | + / - 3%.  |
| <b>Sweep Magnification:</b>               | 10X, +/- 10% ( 2.0S/DIV - 0.2 $\mu$ S/DIV)<br>extend sweep speed up to 10nS/DIV.   |
| <b>Delay Time Position:</b>               | Variable control to locate desirable waveform for extending.   |
| <b>TRIGGERING</b>                         |  |
| <b>Trigger Coupling:</b>                  | AUTO, NORM. TV-V, TV-H.  |
| <b>Trigger Source:</b>                    | CH 1, CH2, ALT, LINE, EXT.   |
| <b>Slope:</b>                             | + / -  |
| <b>TRIGGER SENSITIVITY COMPONENT TEST</b> |  |
| <b>Test Voltage:</b>                      | Max. 6 Vrms ( open circuit ).  |
| <b>Test Current</b>                       | Max. 11 mA ( shorted ).  |
| <b>Test Frequency</b>                     | Line Frequency.  |
| <b>Components</b>                         | Capacitor, Inductor, Diode, Transistor, Zener etc.   |
| <b>CH 2 OUTPUT</b>                        |  |
|   |  |

|                               |   |
|-------------------------------|---|
| <b>Output level</b>           | 100 mV / DIV ( no load ).<br>50 mV / DIV ( with 50Ω load ).   |
| <b>Bandwidth</b>              | 20 Hz-20 MHz ( -3db ).  |
| <b>Graticule Illumination</b> | Adjustable.   |
| <b>Calibrator</b>             | Square wave 1 KHz ± 10 %, 2 Vp-p ± 3 %  |
| <b>Z-Modulation</b>           | Positive TTL signal, low level blank intensity<br>at any intensity, high level unblank any intensity. |
| <b>Trace Rotation</b>         | Adjustable on front panel.  |
| <b>Power Source</b>           | 115, 230VAC ± 10%, 50/60 Hz.  |
| <b>Power Consumption</b>      | Apporx. 38 Watts.   |
| <b>Dimensions</b>             | 324 (W) x 398 (D) x 132 (H) mm.   |
| <b>Net Weight</b>             | Approx. 7.6 kg.   |
| <b>Rated Range of Use</b>     | 10°C - 35°C, 10-80% R.H.  |
| <b>Limits of Operation:</b>   | 0°C - 50°C, 10-80% R.H.   |
| <b>Storage Environment</b>    | - 30°C - 70°C, 10-90% R.H.  |
| <b>C E STANDARD:</b>          | E.M.C. Regulations-1992 ( e.c. Directive<br>89/336/EEC )EN 50081-1 Emissions.EN<br>50082-1 limmunity. |