3-MHz X-Y Display Module

- Designed for OEM and Custom Applications
- Standard Half-Rack Configuration
- 3-MHz X and Y Bandwidth
- 4-MHz Z-Axis Bandwidth
- P31 or Optional Phosphors
- Removable Imprintable External Graticule
- Custom Internal Graticules Available
- Stereo Phase Monitoring

KEY SPECIFICATIONS

CRT
- Display Area: 8 x 10 cm
- Spot Size: 0.26 mm at 0.5 µA beam current
- Brightness: 25 fL measured with 200 line raster and 60 Hz refresh rate
- Phosphor: P31 (other phosphors optional)
- Accelerating Voltages: 7 kV/2 kV

X-Y DEFLECTION
- Bandwidth: dc to 3 MHz (-3 dB at 5 div deflection)
- Coupling: dc or ac (internal switch)
- Phase Shift: < 3° at 1 MHz

Z-AXIS
- Bandwidth: dc to 4 MHz
- Blanking Threshold/Polarity: -1 V (when INTEN knob is positioned at mid-range)/Negative

Sensitivity
- 100 mV/div, adjustable ± 50%
- Linearity: Within 5%
- Input Impedance: 1 MΩ, < 50 pF (provision is made for internal terminating resistor)
- Maximum Input Voltage: 100 V (dc plus ac peak)
- Rise Time: < 120 ns

Input Impedance
- 1 MΩ, < 50 pF
- Maximum Input Voltage: 100 V (dc plus ac peak)
- Rise Time: < 90 ns

POWER REQUIREMENTS
- 100, 120, 220, 240 V ac ± 10%
- 50/60 Hz, 25 W

PHYSICAL
- Size (W x H x D): 215 x 132 x 425 mm
- Weight: 6 kg

OPTIONAL ACCESSORY
- Rackmount Adapter (LR-2400VI)

4-MHz Recurrent Sweep Oscilloscope

- Easy to Use
- Small Footprint (5” Wide)
- 4-MHz Bandwidth
- 20 mV/div Maximum Sensitivity
- X-Y Operation
- Good Display for Sweep Alignment
- Versatile Instrumentation for Production Work

KEY SPECIFICATIONS

VERTICAL DEFLECTION
- Bandwidth (-3 dB, 4 div)
  - dc: dc to 4 MHz
  - ac: 2 Hz to 4 MHz
- Input Sensitivity Control: x100, x10, x1 and variable (20 mV max)
- Input Impedance: 1 MΩ, 40 pF
- Direct CRT Drive: 10 V p-p sensitivity up to 100 MHz

EXTERNAL HORIZONTAL DEFLECTION
- Bandwidth (-3 dB, 10 div)
  - dc to 250 kHz
  - Input Sensitivity: 300 mV/div

INPUT HORIZONTAL DEFLECTION
- Type Sweep: Recurrent
- Sweep Rates: 10 Hz to 100 kHz, four ranges

Z-AXIS (INTENSITY) MODULATION
- Sensitivity: 20 V p-p
- CRT Display: Accelerating Potential/Phosphor

1200 V/P1

POWER REQUIREMENTS
- 100, 120, 220, 240 V ac ± 10%
- 50/60 Hz, approx. 12 VA

PHYSICAL
- Size (W x H x D): 125 x 180 x 300 mm
- Weight: 4 kg

SUPPLIED ACCESSORY
- 1 Banana Plug to Alligator Clip