

- Wide Bandwidth & high sensitivity
- Built-in component tester displays L, C, R, diode and transistor characteristics
- The best price/performance available from any oscilloscope
- High brightness CRT with internal graticule
- Front panel electrical trace rotator
- High frequency rejection filter trigger circuit TV Video Synch Filter



■ SPECIFICATIONS

Vertical Amplifier (CH A and CH B)

Sensitivity: 5mV/Div to 20V/Div in 12 calibrated steps (1-2-5 seq)

Accuracy: $\pm 3\%$

Bandwidth (-3dB): DC to 20MHz

Rise Time: $< 17\text{ns}$

Input Impedance: $1\text{M}\Omega + 20\text{pF}$

Input Coupling: AC-Gnd

Invert Channel: CH B

Display Modes: CH A, CH B, Add and Dual

Chop Frequency: $200\text{kHz} \pm 3\%$

Maximum Input Voltage: 300V (DC or AC peak)

Horizontal Sweep Sweep Time: 0.2 μs /Div to 0.5s/Div in 20 calibrated steps (1-2-5 seq)

X5 Mag: 40ns/Div to 0.1s/Div

Accuracy: $\pm 3\%$ ($\pm 5\%$ in X5 Mag)

Display Mode: Auto, Norm, Single

Sweep Magnifier: X5 $\pm 5\%$

Horizontal Amplifier

Linearity: $< \pm 3\%$

X-Y Mode: CH A: Y axis; CH B: X axis

Sensitivity: Same as CH B vertical amplifier setting

Bandwidth (-3dB): DC to 1MHz; AC: 10Hz to 1MHz

Phase Error: $< 3^\circ$ DC to 50kHz

Triggering

Source: Int: CH B, Line, Ext

Coupling: AC, AC-LF, TV-L, TV-F

Slope: Positive or Negative

Trigger Sensitivity: Int: 20Hz to 20MHz

Ext: 20Hz to 20MHz: 1V P-P

TV Sync: TV-H: 50 μs /Div to 0.2 μs /Div

TV-V: 0.5s/Div to 0.1ms/Div (automatically switched by the Time/Div. front panel control)

AC-LF Band-pass: 10Hz to 50kHz

External Trigger Input: Impedance $1\text{M}\Omega + 20\text{pF}$

Maximum Input Volts: 50V (DC or AC peak)

Z Axis Modulation

Sensitivity: 3V P-P (Intensity increases with a positive going input)

Bandwidth (-3dB): DC to 1MHz

Input Impedance: Approx. 5 K Ω

Maximum Input Volts: 50V (DC or AC peak)

Calibrator Signal

Frequency: Approx. 1kHz

Voltage: 1V P-P $\pm 2\%$

Duty Cycle: Approx. 50%

CRT

Type: 6" rectangular with illuminated 8×10 internal graticule (1 Div = 1cm)

Acceleration Voltage: 2 kV

General Specification

Power Requirements: AC Input Voltage: 100V, 120V, 220V, 240V $\pm 10\%$ selectable

Frequency: 50/60Hz

Power Consumption: 19W

Operating Temperature: 5 to 35° C

Dimensions: 5.8" H x 14.0" W x 17.0" D

Weight: 22 lbs.

Supplied Accessories: Manual, AC Power cord, (2) X1/X10 Probes

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