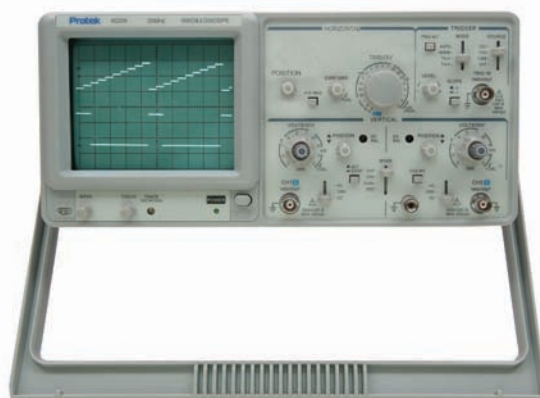


6020R 20MHz Dual Trace Analog Oscilloscope

- 20MHz Vertical Bandwidth [-3dB]
- Alternate Trigger for a stable display of unrelated signals
- Internal Sync separator circuit for stable triggering of video signals
- X10 Horizontal Magnification
- Light weight and low power consumption
- High brightness CRT with internal graticule
- X-Y operation
- 5mV Vertical sensitivity



6020R

SPECIFICATIONS

■ Vertical Amplifier

Ch1 and Ch2

Sensitivity: 5mV/Div to 5V/Div in 10 steps (1-2-5 sequence)

Accuracy: $\pm 3\%$

Bandwidth: (-3dB) DC: 0 to 20MHz

AC: 10Hz to 20MHz

Rise Time: $< 17.5\text{ns}$

Input Impedance:

Resistance: $1\text{M} \pm 5\%$

Capacitance: $25\text{pF} \pm 5\text{pF}$

Input Coupling: AC, DC GND

Display Modes: Ch1, Ch2, ALT, Chop, ADD, X-Y

Invert Channel: Ch2

Maximum Input Volts: 400V DC (DC or AC p-p)

■ Horizontal Sweep

Sweep Times: 200ns/Div to 0.5Sec/Div in 20 steps (1-2-5 seq); (x10 Mag: 20ns/Div to 50ms/Div)

Accuracy: $\pm 3\%$ ($\pm 5\%$ X10 MAG)

Sweep Modes: Normal, X-Y

■ Triggering:

Trigger Source: Ch1, Ch2, ALT, LINE and EXT

Trigger Modes: Auto, Norm, TV- V, TV-H

Trigger Slope: Positive or Negative adjustable levels

Trigger Coupling: AC

Trigger Sensitivity: INT: 20Hz to 2MHz: 0.5Div

2MHz to 20MHz: 1.5 Div

TV: INT: 1 Div.; EXT: 1V

ALT: 20Hz to 2MHz: 2.0Div

2MHz to 20MHz: 3.0Div

EXT: 20Hz to 2MHz: 200mV

2MHz to 20MHz: 800mV

■ Ext.Trigger Input:

Impedance: $1\text{M} \pm 5\% + 25\text{pF}$ Capacitance

Max. Input Volts: 400V (DC + AC peak)

■ X-Y mode

Inputs: X-axis: Ch1, Y-axis Ch2

Sensitivity: Same as Ch1 & Ch2

Accuracy: $\pm 4\%$

Frequency Response (-3dB): DC to $\geq 500\text{KHz}$

Phase Difference: $< 3^\circ$ from DC to 50KHz

■ Calibrator Signal

Waveform: Square wave

Amplitude: $2.0\text{V} \pm 2\%$ p-p

Frequency: $1\text{KHz} \pm 2\%$

■ CRT

Size: 8cm x 10cm

Acceleration Volts: 2KV

■ General Specifications

Power Requirements: AC input Volts: 120V or 220V

Frequency: 50/60Hz

Power Consumption: 35W

Operating Temperature: 0°C to 40°C (32°F to 104°F)

Dimensions: 12.5"(W) x 5.9"(H) x 18.0"(D)

Weight: 17 lbs

Accessories: Operating manual, AC Line cord, (2) x1/x10 probes

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