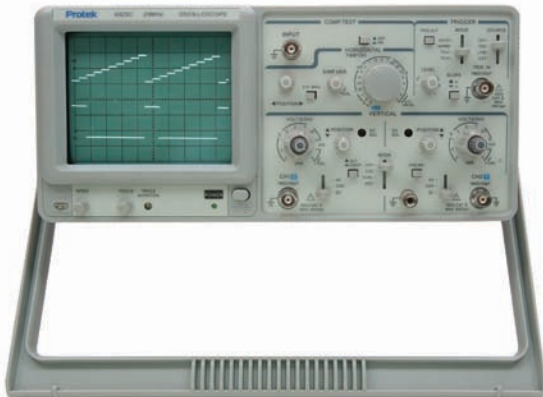


25MHz Dual Trace Analog Oscilloscope with Component Checker

6025C



6025C

- Tests Resistors, Inductors and Capacitors
- Alternate trigger for a stable display of unrelated signals
- 25MHz Vertical Bandwidth (-3dB)
- X10 Horizontal Magnification
- Internal Sync separator circuit for stable triggering of video signals
- Light weight and low power consumption
- High brightness CRT with internal graticule
- X-Y operation

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 2MHz

AC: 10Hz to 25MHz

Rise Time: <14.0nS

Input Impedance:

Resistance: 1M $\pm 5\%$

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

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 25MHz: 1.5 Div

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

ALT: 20Hz to 2MHz: 2.0Div

2MHz to 25MHz: 3.0Div

EXT: 20Hz to 2MHz: 200mV

2MHz to 25MHz: 800mV

■ Ext.Trigger Input

Impedance: 1M $\pm 5\%$ + 25pF 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° from DC to 50KHz

■ Component Checker

Test Voltage: Approx. 4.5V RMS open circuit

Test Current: 6.6mA Max short circuit

Test Frequency: 60Hz

■ Calibrator Signal

Waveform: Square wave

Amplitude: 2V $\pm 2\%$ p-p

Frequency: 1KHz $\pm 2\%$

■ 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 and Test cable