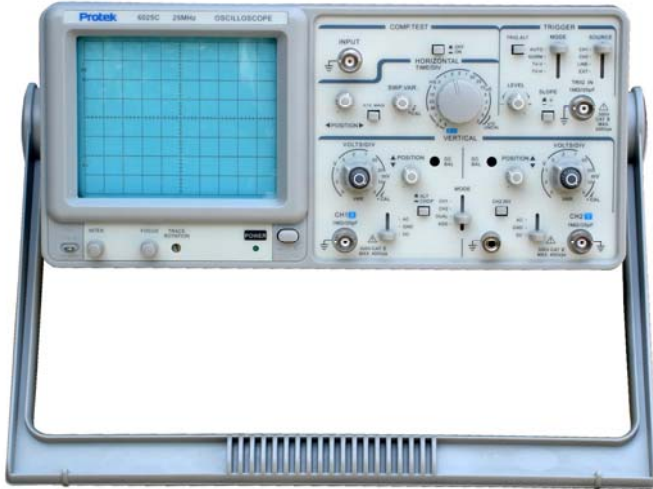


Model 6025C, 25MHz Dual Trace Oscilloscope with Component Test



- Test Resistors, Inductors and Capacitors
- Alternate Trigger for a stable display of unrelated signal
- 25MHz Vertical Bandwidth (-3dB)
- X10 Horizontal Magnification
- Internal Sync separator circuit for stable triggering of video signals
- Trigger level lock function makes trigger level adjustment unnecessary
- Light weight and Low power consumption
- High Brightness CRT with internal graticule
- X-Y operation

Vertical Amplifier

Ch1 and Ch2

Sensitivity: 5 mV/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: $<14.0\text{nS}$

Input impedance:

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

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

Input Coupling: AC, DC GND

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

Invert Channel: CH 2

Maximum input Volts: 400V Dc (Dc or Ac p-p)

Horizontal Sweep

Sweep Times: 200nS/Div to 0.5 Sec/ 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, Trig lock

Trigger Slope: Positive or negative adjustable levels

Trigger coupling: AC

Trigger sensitivity:

INT: 20Hz to 2 MHz: 0.5Div

2MHz to 25MHz: 1.5 Div

X-Y mode

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

ALT: 20Hz to 2MHz: 2.0Div

2MHz to 25MHz: 3.0 Div

EXT: 20Hz to 2MHz: 200mV

2MHz to 25MHz: 800mV

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

Sensitivity: Same as CH 1 & CH2

Accuracy: $\pm 4\%$

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

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

Component Test

Test Voltage: Approx. 4.5V rms open circuit

Test Current: 6.6mA Max short circuit

Test Frequency: 60Hz

Calibrator Signal

Waveform: Square wave

Amplitude: $2\text{V} \pm 2\%$ 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 to 40°C

(32° F to 104° F)

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

Weight: 17 lbs

Accessories: Manual, AC Line cord, (2) x1/x10 probes
and Test cable

Ext.Trigger input

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

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