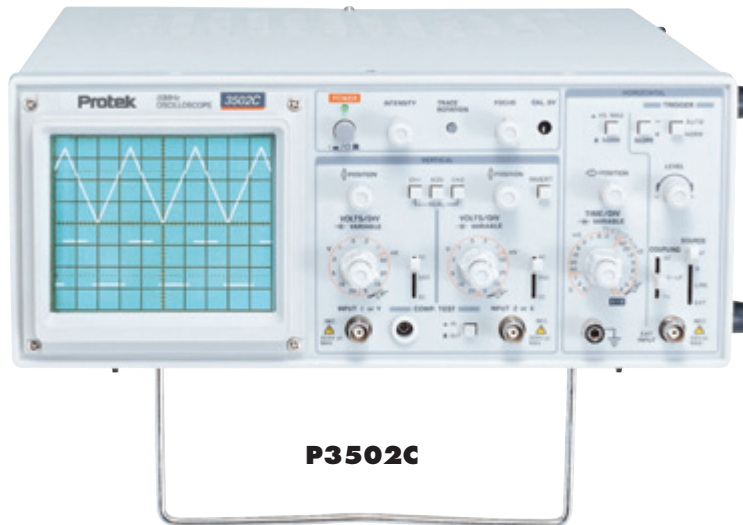


- Wide bandwidth and high sensitivity
- Built-in component tester displays L, C, R, diode and transistor characteristics
- The best price/performance available from any oscilloscope
- High brightness CRT with internal graticule
- Front panel electrical trace rotator
- High frequency rejection filter 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: 200KHz $\pm 3\%$
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. $5\text{K}\Omega$
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: 2KV

General Specifications

Power Requirements:
 AC Input Voltage: 100V, 120V, 220V, 240V $\pm 10\%$ selectable
Frequency: 50/60Hz
Power Consumption: 19W
Operating Temperature: 5 to 35°C
Size: 5.8" H x 14.0" W x 17.0" D
Weight: 22 lbs
Supplied Accessories: Manual, AC Power cord, (2) X1/X10 Probes