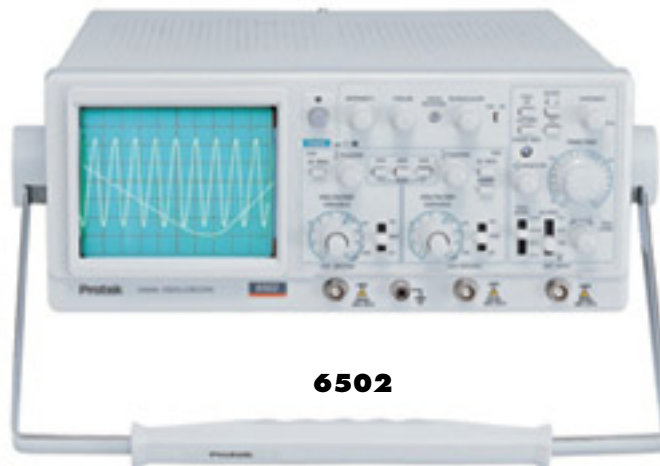


- 20MHz Bandwidth
- Alt-Mag sweep for simultaneous display of main and X5 magnified trace
- 1mV/Div Vertical sensitivity
- Alternate trigger for a stable display of unrelated signals
- X5 Sweep Magnification
- Large 6 inch CRT with internal graticule, for parallax free measurements
- Autofocus
- Internal Sync separator circuit for stable triggering on video signals
- Lightweight with low power consumption
- Supplied with 2 (X1, X10) probes and operating manual



## SPECIFICATIONS ■

### Vertical Amplifier (CH 1 and CH 2)

**Sensitivity:** 5mV/Div to 5V/Div in 10 steps (1-2-5 seq); X5 Mag: 1mV/Div to 1V/Div  
**Accuracy:**  $\pm 3\%$  (5% in X5 Mag)  
**Bandwidth (-3dB):** DC to 20MHz  
**Rise Time:** < 17.5ns  
**Input Impedance:** 1M $\Omega$  + 25pF  
**Input Coupling:** AC-Gnd-DC  
**Invert Channel:** CH2  
**Display Modes:** CH1, CH2, Add, DualChop **Frequency:** 250kHz  $\pm 3\%$   
**Maximum Input Voltage:** 400V (DC or AC peak)  
**CH1 Signal Output:** 20mV/Div into 50 $\Omega$ : (50Hz to 5MHz)

### Horizontal Sweep

**Sweep Time:** 0.1 $\mu$ s/Div to 0.2s/Div in 20 steps (1-2-5 seq); X5 Mag: 20ns/Div to 40ms/div  
**Accuracy:**  $\pm 3\%$  ( $\pm 5\%$  in X5 Mag)  
**Display Mode:** A, Alt-Mag, XY  
**Sweep Magnifier:** X5  $\pm 5\%$   
**Trace Sep:** 1.5 Div Min

### Horizontal Amplifier

**Linearity:**  $\pm 3\%$  ( $\pm 5\%$  in X5 Mag)  
**X-Y Mode:** CH 1-X axis, CH 2-Y axis  
**Sensitivity:** Same as CH 1 Vertical Amplifier  
**Bandwidth (-3dB):** DC to 500kHz  
**Phase Error:**  $\leq 3^\circ$  DC to 50kHz

### Triggering

**Modes:** Auto, Norm, TV-V, TV-H  
**Source:** CH 1, CH 2, Line, EXT  
**Coupling:** AC  
**Slope:** Positive or Negative  
**Trigger Sensitivity:** Int: DC to 2MHz: 2 Div  
 2MHz to 20MHz: 3 Div  
 Ext: DC to 2MHz: 200mV P-P; 2MHz to 20MHz: 300mV P-P  
 TV Synch: Int: 1 Div Min; Ext: 1 V P-P Min  
 TV-H (Television Line synchronizing Freq)  
 TV-V (Television Frame synchronizing Freq)  
 Automatically switched by the A Time/Div Front panel control  
**External Trigger Input:**  
 Input Impedance: 1 M $\Omega$ + 20pF  
 Maximum Input Volts: 300V (DC or AC peak)

### Z Axis Modulation

**Sensitivity:** 5V P-P (Intensity increases with a negative going input)  
**Bandwidth (-3dB):** DC to 2MHz  
**Input Impedance:** Approx. 33 K $\Omega$   
**Maximum Input Voltage:** 30V (DC or AC peak)

### Calibrator Signal

**Frequency:** Approx. 1kHz ( $\pm 20\%$ )  
**Voltage:** 0.5V P-P  $\pm 3\%$   
**Duty Cycle:** Approx. 50%

### CRT

**Type:** 6" rectangular CRT with illuminated internal 8 X 10 Div graticule (1 Div = 1cm)  
**Acceleration Voltage:** 2kV  
**General Specification**  
**Power Requirements:** AC Input Voltage: 100V, 120V, 220V, 240V  $\pm 10\%$  selectable  
**Frequency:** 50/60Hz  
**Power Consumption:** 35W  
**Operating Temperature:** 0 to 40°C  
**Dimensions:** 5.5" H x 13.4" W x 14.8" D **Weight:** 24 lbs.  
**Supplied Accessories:** Manual, AC Power cord, (2) X1/X10 Probes