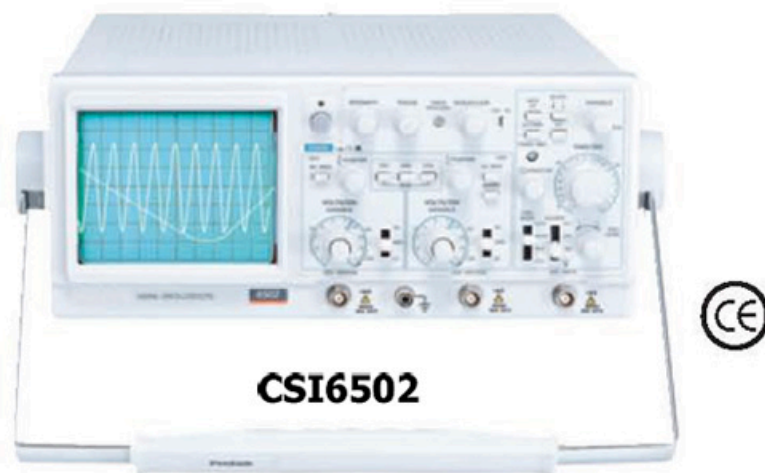


- 20MHz Bandwidth
- Alt-Mag sweep for simultaneous display of main and X5 magnified trace
- 1mV/Div Vertical sensitivity
- Alternate trigger for a stable display of unrelated signals
- X5 Sweep Magnification
- Large 6 inch CRT with internal graticule, for parallax free measurements
- Autofocus
- Internal 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, Dual  
Chop 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: 1M $\Omega$  +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. 33K $\Omega$   
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  
graticule (1 Div = 1cm) 8 X 10 Div  
Acceleration Voltage: 2KV

### General Specifications

Power Requirements:  
AC Input Voltage: 100V, 120V, 220V, 240V  $\pm 10\%$  selectable  
Frequency: 50/60Hz  
Power Consumption: 35W  
Operating Temperature: 0 to 40°C  
Size: 5.5" H x 13.4" W x 14.8" D  
Weight: 24lbs  
Supplied Accessories: Manual, AC Power cord,  
(2) X1/X10 Probes