



The cabinet is sold separately.

## Full Composite and Component Monitoring Capability Precise Video Signal Level Measurements with Cursors

Models 5220 and 5222 are precision Waveform Monitors designed to monitor composite and component video signals. The 5220 series with its bright CRT adds extra features to conventional waveform monitors like line selector, picture monitor mode, X-Y display mode for stereo audio signals, and onscreen menu for setting functions. These instruments have eight video inputs and one external reference input channel. Up to four waveforms of composite signals or a selected component signal plus the external reference can be displayed side-by-side to reduce system size. These instruments can also be remotely controlled when combined with the 5210 series Vectorscope.

Model	5220	5222
Scanning Lines	525	525/625
Field Frequency	60 Hz	60/50 Hz
Subcarrier Frequency	3.58 MHz	3.58/4.43 MHz
Sync System	M	B,C,D,G,H,I,K,M
Color System	NTSC	NTSC/PAL/SECAM

### FEATURES

- Precise Measurements With Cursors**  
 Precision cursors permit signal level measurements with 0.5% accuracy.
- Full Line Selector**  
 One or two lines of a video signal can be displayed for convenient observation of VITS, VIR, or teletext signals. Line select is also useful to test video camera characteristics.
- Picture Display**  
 These instruments can display video signals as a picture monitor on the CRT. In line select mode, the selected line is highlighted for identification on the picture.
- Eight Video Inputs And One External Reference Input Channel**  
 Both instruments have eight video inputs and one external reference input channel. Up to four waveforms, including the external reference can be displayed simultaneously. The parade (side-by-side) or ALT (overlaid) display is selectable.
- Timing Mode**  
 The component signal can be displayed in the bowtie configuration. (Bowtie signal: U.S. PATENT 4,829,366 is used with permission of Tektronix, Inc.)
- Menu Function**  
 User-friendly front panel controls include onscreen menu control for various functions.

- Dual Filter**  
 Both FLAT and LUM (low-pass filter) filtered characteristics can be displayed simultaneously.
- Preset Function**  
 The front panel settings, including vertical and horizontal positioning, can be stored in memory, and recalled from the front panel or via the remote control connector on the rear panel. You can reduce setup time by presetting frequently used complex measuring conditions.
- Clamp Position Setting**  
 The clamp point can be set at any position, with the position being highlighted on the waveform.
- RGB/YRGB Display Function**
- Y/C Input Connectors**
- Bright CRT, Accelerating Potential Of 16.5 kV**
- Universal AC Power Supply, 90 To 250 V**
- X-Y Mode (Factory Option)**

### 5220/5222 SPECIFICATIONS

<b>CRT Type</b>	150 mm rectangular (P4)	
<b>Input Channel</b>	<b>5222 (625)</b> CHA: 1, 2, 3, 4 CHB: 1, 2, 3, 4	<b>5220 (525)</b> CH1, 2, 3
<b>Measurement Signal</b>	5220: NTSC video signal (525/60) 5222: NTSC/PAL/SECAM video signal (525/60, 625/50)	
<b>Vertical Axis Deflection Factor</b>	±1%: 1 Vp-p full scale (140 IRE ref) ±3%: x5 ±0.5%: Cursor measurement	
<b>Variable Range</b>	0.5 Vp-p to 1.45 Vp-p: x1 full scale 0.1 Vp-p to 0.29 Vp-p: x5	
<b>Horizontal Axis Time Accuracy</b>	Within ±3% (1 μs/div) Within ±3% (0.2 μs/div)	
<b>Sweep Length Linearity Position Control Range</b>	12.5 div ±0.7 div Within ±3% Anywhere in the screen	
<b>RGB/YRGB Selectable Staircase Input Maximum Input Voltage</b>	Factory setting: RGB 10 V ±15%, 9 divisions display ±12 V (DC+peak AC)	
<b>Line Selector</b>	<b>5222 (625)</b> Field 1, 3 Line 314 to 625 Line 1 to 312	<b>5220/5222 (525)</b> Line 1 to 263 Line 1 to 262 Line 1 to 262
<b>Cursors Configuration</b>	Horizontal cursors (REF, Δ) Vertical cursors (REF, Δ)	
<b>Power Requirements Power Consumption</b>	90 to 250 VAC, 48 to 440 Hz ≤40 W	
<b>Dimensions and Weight</b>	215 (W) x 132 (H) x 429 (D) mm, 4.2 kg 8 1/2(W) x 5 1/4(H) x 16 3/4(D) in., 9.3 lbs.	