

## Analog Waveform Monitors

### 1720 Series \*



1720 Vectorscope - Vector and Stereo Audio Dual display mode.

1720 NTSC Vector display.



#### **Differential Phase and Gain Measurements**

The 1720 Series Vectorscope graticule has scales for measuring Differential Phase and Gain. The Differential Phase scale has markings at  $2^\circ$  intervals. The Differential Gain scale has markings at 5% intervals. For even greater precision, the 1720 and 1730 Series can be coupled for differential phase measurements using the field or line sweep on the 1730 Series Waveform Monitor. The Waveform Monitor Chroma filter can be used for differential gain measurements.

#### **Stereo Audio Phase Measurements**

## 1720 Vectorscope

Balanced inputs for the X Y mode are available on the 1720 Series Vectorscope through a separate input connector. This mode is particularly useful for evaluation of stereo audio with a special X Y graticule scale for both amplitude and phase measurements. X Y measurements can be displayed individually or in combination with a vector display. This input can also be used for other applications where X Y monitoring is useful.

### **RGB-YRGB**

The Waveform Monitor can display RGB or YRGB. The RGB/YRGB staircase input is through a rear panel connector.

### **Vector Center Dot Clamping**

The 1720 Series Vectorscopes employ center dot clamping in Vector mode for easy detection of residual sub-carrier on the signal. In addition, with no signal present, the center dot automatically dims prolonging the CRT life.

### **Parallax-free Internal Graticules**

Both instruments utilize post-accelerated, mesh-type CRTs equipped with internal graticules to provide parallax-free displays. Variable, evenly-illuminated scales, along with molded bezels, make waveform photography a snap.

### **Remote Control**

Internal front panel presets, RGB/YRGB enable, along with front panel recall/setup can be accessed through the waveform monitor remote connector.

### **Available in NTSC, PAL and Dual Standard**

Both the 1730 Series and the 1720 Series are available in either NTSC or PAL versions. The 1721 Vectorscope and the 1731 Waveform Monitor are the PAL versions. The 1735 Waveform Monitor and 1725 Vectorscope provide PAL/NTSC Dual Standard Monitoring. PAL-M and PAL-N instruments are available as a modified product.

1720 Vectorscope



Tektronix Measurement products are manufactured in ISO registered facilities.



49A-10733-4p595, 04/1996, 10/01/2001