



528A Waveform Monitor mounted side-by-side with a 1420 Vectorscope.

528A/1420 Series

Parallax-Free Internal Graticule

Half Rack Width

Proven Performance

Available in NTSC, PAL, PAL-M Models

528A Waveform Monitor

The best of the basics in a waveform monitor that's easy to use. . . and has plenty of uses! The popular, highly-capable 528A provides proven performance in all television applications that require consistent quality, video waveform monitoring. Its half-rack width makes it possible to mount the 528A next to another monitor, the most common choice being a Tek 1420 Series vectorscope. A carrying case is also available for the 528A for field or bench applications.

An illuminated, internal graticule CRT ensures parallax-free viewing of bright, easy-to-read displays. With its simple front panel controls, the 528A enables you to monitor sync and video levels, display RGB or YRGB format, check and adjust system timing and perform many camera adjustment procedures with accuracy and ease. It also meets requirements of videotape recorder monitoring bridges for monitoring and set-up, limited differential gain measurements, line time tilt measurements, pulse response (K factor) measurements and more.

Features include two video inputs, variable sensitivity control, video output of displayed signal, four frequency response and four sweep selection positions.

1420 Series Vectorscopes

Chrominance signal monitoring in a compact, compatible package. The 1420 Series is an effective answer to vector monitoring requirements in the same applications which are well served by the 528A, including VTRs, camera control units, video production and postproduction monitoring. Its half-rack width makes a 1420 Vectorscope ideally suited for mounting side-by-side with a 528A. Together they provide continuous displays of the luminance, sync and chrominance characteristics of a video signal.

The parallax-free internal graticule is designed especially for vector displays of color bars and burst. A special graticule feature that enables differential gain or phase errors to be determined to within 5% and 2° offers sufficient accuracy for many applications. (Higher resolution differential gain and phase measurements should be made with a 520A Series vectorscope.)

Additional 1420 Series features include two signal inputs, an external subcarrier reference input and continuous 360° phase rotation of a displayed signal.

The 1420 Series is available in NTSC, PAL and PAL-M versions.

PHYSICAL CHARACTERISTICS

Dimensions	mm	in
Width	216	8.5
Height	133	5.3
Depth	470	18.5
Weights (528A)	kg	lb
Net (with accessories)	6.8	15.0
Shipping	10.4	23.0
Weights (1420 Series)	kg	lb
Net (with cabinet)	7.0	15.5
Net (without cabinet)	5.9	13.0
Shipping	9.1	20.0

ORDERING INFORMATION

These instruments are configured for rackmounting and are shipped without cases or covers. Order appropriate options and optional accessories to configure for bench or portable use.

528A Option 01 Waveform Monitor (for use with 525 line systems)	\$2,300
Option 03 — (Modified for use with 625 line systems and for 230 V ac power, unless otherwise specified.)	NC
1420 Option 01 Vectorscope (NTSC, factory wired for 115 V ac power)	\$2,820
1421 Option 01 Vectorscope (PAL, factory wired for 230 V ac power)	\$2,920
1422 Option 01 Vectorscope (PAL-M, factory wired for 115 V ac power)	\$3,185

OPTIONAL ACCESSORIES

Cabinet — Plain. Order 1700F00	\$60
Cabinet — Portable. Order 1700F02	\$85
Cabinet — MPS Case. Order 1700F03	\$120
Side-by-Side Rack Adaptor — For mounting two half-racks in a standard 19 inch rack. Order 1700F05	\$180
Blank Panel — For one half of the side-by-side rack mount. Order 016-0116-00	\$60
Camera — Use standard C-59AP, C-4 Option 02, or standard C-5C. (See camera section of this catalog).	

For complete Television product information, check box on the business return card in this catalog.