

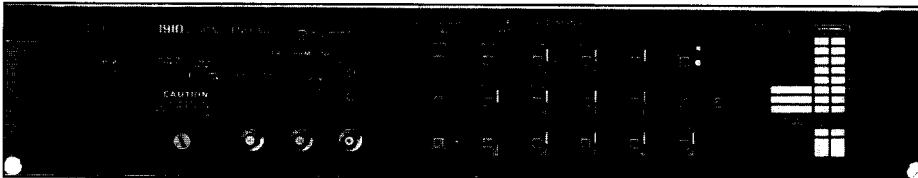
1410R Option 04 Test Signal Generator.

1410R/1411R/1412R

NTSC, PAL, and PAL-M Generators

- Five Test Signal Generators and One Switcher
- Conforms to EIA Standard RS-170A (1410R)
- 700 mV White Level on Field 1, Line 7 (1411R)
- Sync to Subcarrier Phasing Maintained or Corrected
- Color Frame Reference Output
- Genlock to Composite Video
- Lock to External References
- Adjustable Blanking Widths
- Adjustable Sync Delays (H and V)
- Parallel Test Signal Outputs

Three different models are available. The 1410R is for NTSC applications, the 1411R for PAL, and the 1412R for PAL-M applications.



1910 NTSC Digital Generator/Inserter.

1910 Digital Generator

- Four External VITS Inputs for Insertion of Teletext, Closed Captioning, Source ID, etc.
- Nonvolatile Memory to Maintain Selected VITS and Full Field Signal Configuration After Power Interruption
- Signal Stored in Replaceable EPROM so Your 1910 Won't Become Obsolete
- The Accuracy and Stability of an All-Digital 10-Bit Sync and Signal Generator (RS-170A)
- User-Friendly RS-232C Control Port for Added Versatility
- New Signals (Eye Test Pattern, Special Multipulse, Color Multipulse), New Functions (VITS Sequence, Field Sequence and More)

ORDERING INFORMATION

1410R NTSC PACKAGES STANDARD CONFIGURATIONS

	Option 03	Option 04
TSG2 Convergence	x	
TSG3 Linearity	x	x
TSG5 Pulse and Bar		x
TSG6 Multiburst		x
TSG7 Color Bars	x	x
TSP1 Switcher		x

1410R NTSC Mainframe and SPG2A \$4,200

OPTIONS

Option 03*¹—NTSC Package Installed and Tested Together. + \$3,460

Option 04*¹—NTSC Package Installed and Tested Together. + \$8,280

*¹ Cannot be combined with any other option.

1411R PAL PACKAGES STANDARD CONFIGURATIONS

	Option 03	Option 04
TSG11 Color Bars	x	x
TSG12 Convergence	x	
TSG13 Linearity	x	x
TSG15 Pulse and Bars		x
TSG16 Multiburst		x
TSP11 Switcher		x

1411R PAL Mainframe and SPG12 \$4,200

OPTIONS

Option 03*¹—PAL Package Installed and Tested Together. + \$3,000

Option 04*¹—PAL Package Installed and Tested Together. + \$7,500

*¹ Cannot be combined with any other option.

PAL-M PACKAGES

1412R PAL-M Mainframe and SPG22, TSG21 \$7,415

Option 05—Adds TSG23/TSG25/TSG26/TSP21 Installed. + \$8,795

The 1910 Digital Generator is a state-of-the-art test signal generator designed for performance testing of NTSC video systems and equipment. The 1910 is especially suited where high accuracy and stability are required. It is also a VITS inserter (internal and external) with a full complement of signals that allow testing in studio, transmitter, production, or research environments. Four external VITS inputs permit insertion of signals such as teletext, closed captioning, source ID, and other similar sources. These four inputs may be converted to four pulse outputs for use in a production environment.

External interfacing of the 1910 is controlled by an internal microprocessor and its nonvolatile memory. Test signals are stored as 10-bit digital words and converted to analog form by a 10-bit preci-

sion DAC (with deglitching to reduce differential gain and differential phase) to ensure signal accuracy as well as long term stability and repeatability.

Since all signals are stored in replaceable EPROMs, changing needs and industry standards will not cause obsolescence.

Control and versatility of the 1910 are greatly enhanced by the use of its RS-232 control port. Most functions of the 1910 can be controlled, reconfigured and saved, including VITS and full field signal selection, matrix signal creation, sequences, and other features.

ORDERING INFORMATION

1910 Digital Generator	\$9,990
Option 03—CBC Test Signals.	NC