

VM 700A Teletext

Emmy Award
Winning VM 700A
Automatic Video
Measurement Set

Teletext
Measurements

Camera
Measurements

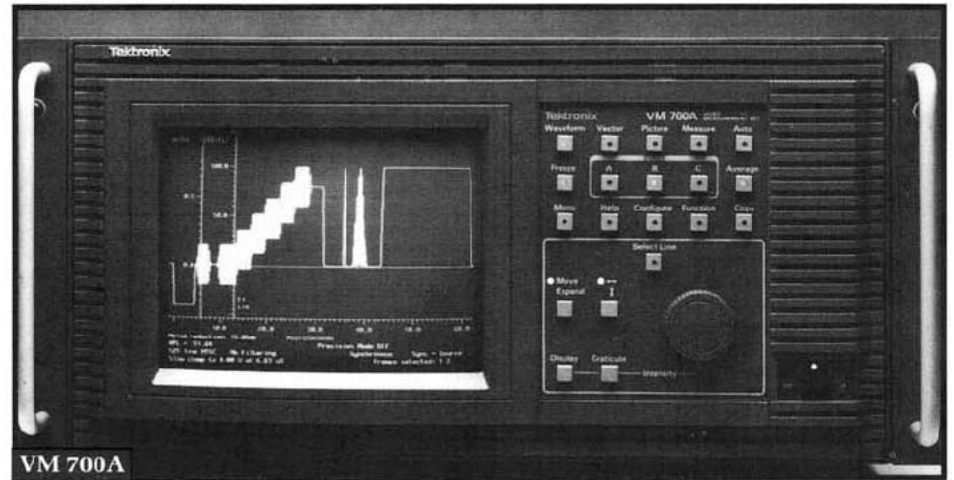
Component
Measurements

Remote Graphics

- VM 700A
 - Opt. 20
 - Opt. 21
 - Opt. 30
- VMREMGR
- VMBKUP
- VMT
- 1780R/1781R

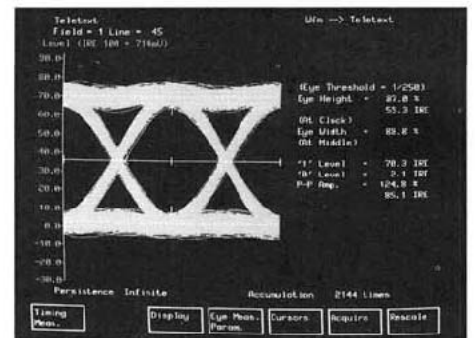
Television Products

Measurement Sets



VM 700A

- Many capabilities in one instrument
 - Digital waveform monitor
 - Digital vectorscope
 - Group delay and frequency response
 - Noise measurement set
 - Automatic measurement set
- Auto Mode
 - Unattended monitoring of NTSC or PAL video signals from studios, STLs, earth stations, and transmitters
 - User-specified limits
- Measure mode provides graphic display of measurements
 - K factor
 - Differential gain and phase
 - Chrominance to luminance delay
 - Noise spectrum
 - Group delay with $(\sin x)/x$
 - Color bars
 - Relative-to-reference on most measurements
- Three input channels
- Averaging on most measurement modes
- Picture mode for source ID
- Hardcopy for analysis and documentation
- Remote control operation
- Automatic measurement of short duration audio test sequence
- Measure frequency response, distortion, phase, crosstalk, and other important audio parameters



VM 700A VIDEO MEASUREMENT SET Opt. 20 Teletext Measurements

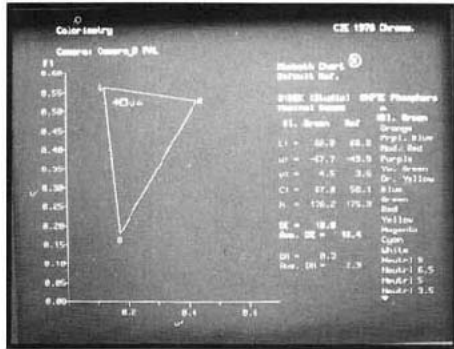
- Provides numerical results
 - Eye height
 - Eye width
 - Data levels (logical "0" and logical "1" levels)
 - Start of data code
 - Number of run-in bits
- Provides graphical displays
 - Eye height with variable persistence
 - Eye height with grading
 - Amplitude histogram
 - Teletext timing
- Multiple clock frequencies
 - 5.727272 MHz for System M (NTSC)
 - 6.9375 MHz for System B/G/I (PAL)
- Cursors for manual measurements

Television Products

Measurement Sets

Camera Meas.
Component Meas.
VMREMGR

VMBKUP
VMT
1780R
1781R



NEW VM 700A Option 21 Camera Measurements

- Significantly simplifies key measurements of camera performance
- Compatible with NTSC or PAL cameras
- Automates pre-purchase evaluation and comparison of cameras
- Reduces time spent on acceptance testing, routine maintenance and operational adjustments
- Uses industry standard charts
- Camera matching simplified with relative-to-reference mode
- Ten key measurements:
 - Colorimetry
 - Fixed Pattern Noise
 - CDD Defects
 - Frequency Response
 - Gamma
 - Geometry/Registration
 - Detail
 - Shading
 - Frequency Response with Aliasing
 - Vertical Smear

VM 700A Option 30 Component Measurements

- Provides numerical results for:
 - relative timing of B-Y and R-Y
 - Relative amplitude of B-Y and R-Y
 - Peak to peak amplitude for B-Y and R-Y
 - Peak white amplitude
- Compatible with SMPTE/EBU, Betacam®, and MII Formats
- Numerical results in all measurements
- Level meter displays amplitude of all three channels simultaneously
- Configurable for Y/R-Y/B-Y or GBR formats
- Full complement of component analog video measurements and displays

VMREMGR

VM 700A Remote Graphics Software

- Display VM 700A graphics on a remote PC
- Perform front panel operations via mouse
- Issue remote commands
- Terminal operations

VMBKUP

VM 700A Backup and Remote Control Software

- Backup or restore sets of measurement configuration files, reference measurement files and function key definitions
- Perform individual file and directory operations on both the connected personal computer and VM 700A
- Use to restore backed up files to VM 700A after upgrade
- Control the VM 700A from a personal computer
- Use Serial Line Internet Protocol (SLIP®) for data transfer over RS-232C connection

VMT

VM 700A Remote Control Software

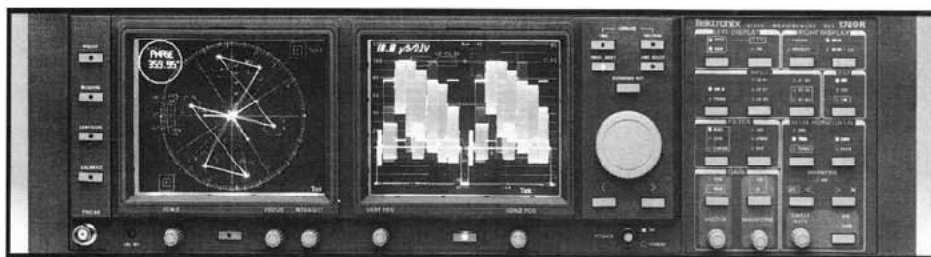
- Controls the VM 700 or VM 700A
- Pull down and pop up menus simplify operation
- Conditional testing of incoming data
- PC based functions
- Text and graphics capture
- Adapts to VM 700A and its options

1780R/1781R

Video Measurement Sets

- Full bandwidth analog processing
- Precision waveform and vector measurements
- Polar SCH presentation with calibration mode
- Four loop-through video input channels
- Component or composite waveform evaluation
- Measurement-grade time and voltage cursors
- Precision differential phase/differential gain measurements even with noisy signals
- Stereo audio phase and amplitude display
- User definable semi-automatic setups
- Available for either NTSC or PAL standards

Betacam is a registered trademark of the Sony Corporation. SLIP is copyrighted by FTP Software, Inc.



ORDERING INFORMATION

VM 700A		VMBKUP	
Video Measurement Set.....	\$16,500	VM 700A Backup and Remote Control Software.....	\$250
Opt. 01 - NTSC Measurements.....	+\$4,500	VMREMGR	
Opt. 11 - PAL Measurements.....	+\$4,500	VM 700A Remote Graphics Software.....	\$250
Opt. 20 - Teletext Measurements.....	+\$3,000	VMT	
Opt. 21 - Camera Measurements.....	+\$6,500	VM 700A Remote Control Software.....	\$195
Opt. 30 - Component Measurements.....	+\$2,500	1780R/1781R	
Opt. 40 - Audio Measurements.....	+\$4,000	Video Measurement Sets.....	\$9,900
Opt. 48 - GPIB Interface.....	\$2,500	1780F02	
Opt. 74 - White Phosphor CTR.....	+\$100	Portable Carrying Case for 1780R/1781R.....	\$275
Opt. 1C - Cabinet Version.....	NC	1780F05	
Opt. 1P - Printer Version (110 V only).....	+\$625	Rack Mount Shelf.....	\$95
Opt. 1Z - Probe Adapter (067-1429-00).....	+\$500		

For complete product and ordering information, request a TV products catalog by completing the business reply card in the back.