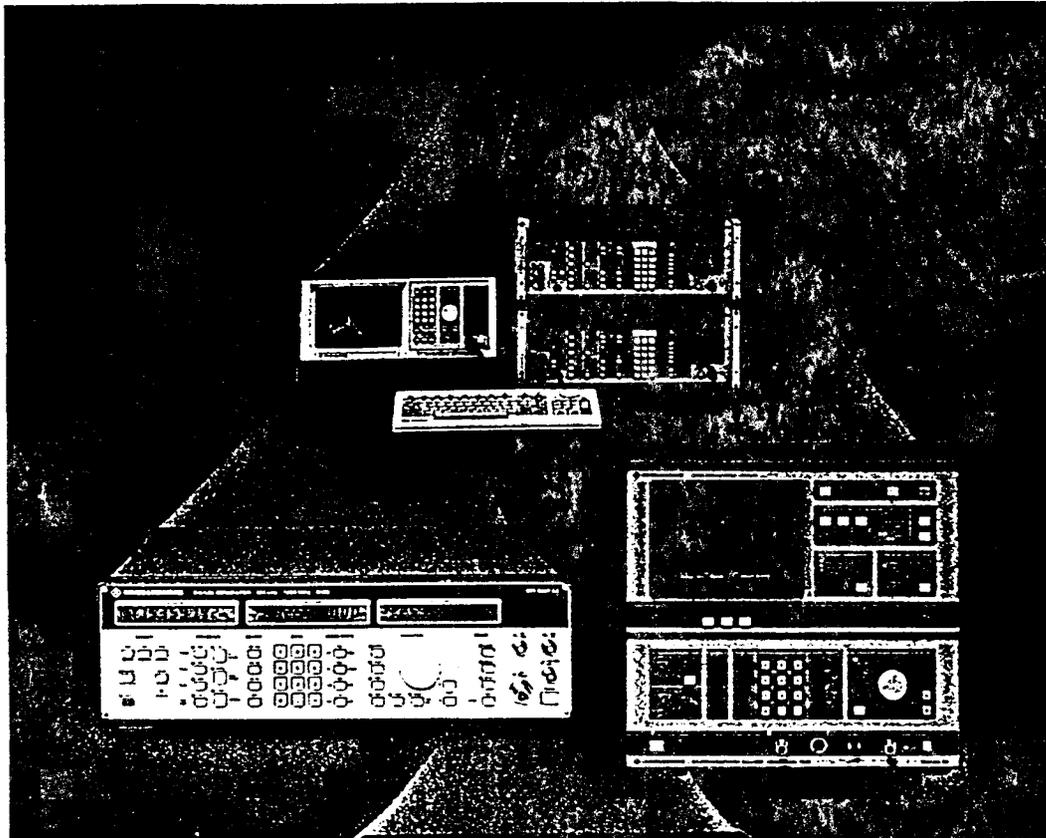


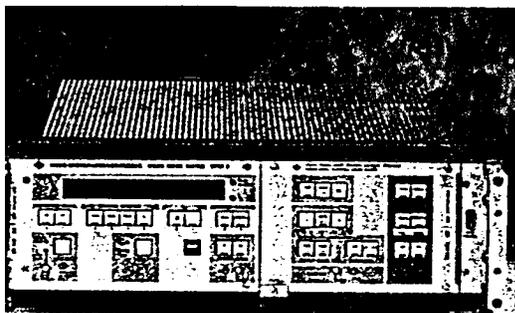


EXCELLENCE
IN
INSTRUMENTATION

SHORT-FORM CATALOG



F Video Analyzer

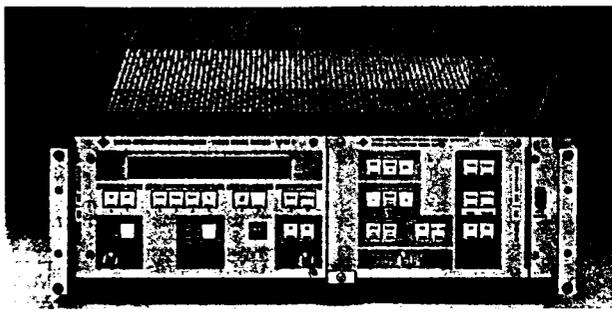


The UPSF2 Video Noise Meter is a powerful instrument to determine noise voltage, weighted and unweighted. Universal in application, the UPSF2 features automatic switch-over for 525-line or 625-line systems. Measurements are available in full-field or any test line with automatic or manual ranging and true RMS detection of video noise. An alphanumeric readout displays the test result, filter frequencies, and line number, as well as units, modes, reference, and error messages. An optional IEEE-488 bus interface provides for full ATE capability. Chroma noise plug-ins are available for NTSC and PAL.



ROHDE & SCHWARZ

VIDEO NOISE METER



Model UPSF2 40 Hz - 10 MHz

- Weighted and unweighted noise voltage measurements in 525 and 625 line systems
- Full field, spot, and line measurements in accordance with IEEE and CCIR
- Chroma noise measurements (AM and PM components)

The Model UPSF2 measures weighted and unweighted noise voltages in TV transmission systems. When equipped with the Model UPSF2E2 plug-in, additional noise and level measurement capabilities are provided - chroma noise measurements from 100 Hz to 1 MHz on magnetic tapes and VTRs, level measurements of luminance bar amplitude, luminance measurements referred to the measured luminance bar, and level difference measurements between any two points. Model UPSF2 functions in both 525 and 625 line systems with automatic switchover, including standard-dependent filters. Measurements are available in full-field or any test line, with automatic or manual ranging and true rms detection of video noise. An alphanumeric readout displays test results, filter frequencies, line numbers, units, modes, reference, and error messages. IEEE 488/IEC 625-1 interface is available as an option for full ATE capability.

ABRIDGED SPECIFICATIONS

FREQUENCY RANGE	40 Hz to 10 MHz (frequency response ± 0.25 dB) Vp-p. 10 Hz, to 20 MHz V_{rms}
OPERATING MODES	Full field and test line, internal or external synchronization
MEASUREMENT RANGE	0 to -90 dB
TEST SIGNAL	Picture or composite video signal with or without test lines, 525 or 625 lines with automatic switchover
RECTIFICATION	True rms or peak-response measurement
READOUT	Digital, ± 1 dB maximum error
CHROMA NOISE MEASUREMENTS*	
Components	AM and PM
Color Subcarrier	4.43 or 3.58 MHz (per customer order)
Measurement Range	-25 to -70 dB
TV Standard	PAL and NTSC

LUMINANCE NOISE VOLTAGE MEASUREMENTS*

Reference	Current luminance bar in test line
Modes of Operation	
Line	40 μ s measurement time; line number fully selectable
Spot	4 μ s, 10 lines; test point fully selectable

LEVEL MEASUREMENTS*

Range	0 to ± 1500 mV, ($\pm 0.5\%$ ± 3 mV) tolerance range
Video Signals	Test point selectable in 1 μ s steps
Level Difference	1 μ s sampling pulse duration; sampling points freely selectable

REMOTE CONTROL IEEE 488/IEC 625-1 interface optional

*With Video Level/Chroma Noise Meter UPSF2E2 plug-in