

- One button measurement solutions
- Save time, money and training
- Customized for your application
- Easy to use

Measurement Personalities

Measurement personalities are software programs provided on ROM-based memory cards. They customize your HP 8590 analyzer to perform complex tests simply and quickly with the push of a button from easy-to-follow screen menus. The personalities automatically set the analyzer controls and perform calculations required by application standards, improving accuracy and repeatability.

Cable TV and Broadcast

(See page 553 for more information.)

HP 85711A/B Cable TV Measurement Personalities

These personalities are recommended for manual headend testing, proof-of-performance measurements, trunk maintenance, and (with a microwave analyzer) CARS-band testing.

HP 85716A Cable TV System Monitoring Personality

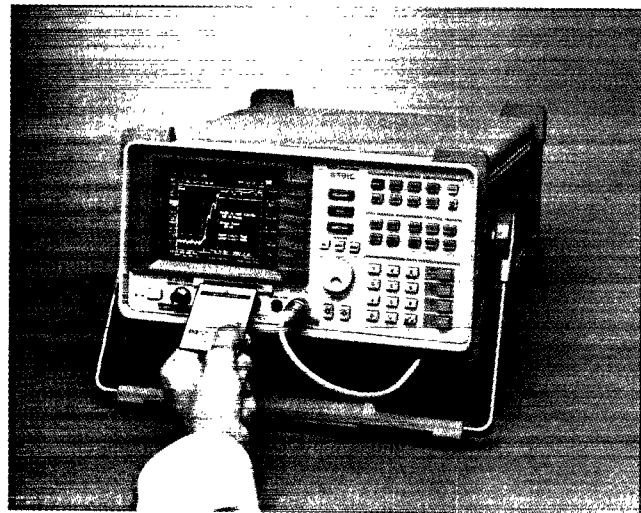
The HP 85716A provides nine automatic, noninterfering measurements that allow you to continuously monitor headend operation and make faster, easier system proof-of-performance tests.

HP 85721A Cable TV Measurements and System Monitor Personality

The HP 85721A measurement personality customizes the HP 8591C and 8590 E-series analyzers for easy, noninterfering proof-of-performance measurements on NTSC-, PAL-, or SECAM-format signals. This software adds dedicated cable TV test functions and measurements for channel and system operation. (These are similar to functions offered by the HP 85711A/B and 85716A personalities.) Three video measurements as well as differential gain and phase and chrominance-to-luminance delay inequality can be performed if the spectrum analyzer has Option 107 TV receiver/video tester.

HP 85724A Broadcast Measurement Personality

The HP 85724A adds measurements for testing TV broadcast transmitters and relays. It allows selection of PAL-I/B/G, NTSC-M, and SECAM-D/K systems; channel bands CCIR VHF, UHF, S, M & B, FCC-AIR, and PRC; and channel number. Tests include carrier level, chroma level, vision, three-tone intermodulation, depth of modulation, spurious signals, NICAM carrier power and intermodulation, and FE deviation. Three video measurements as well as differential gain and phase and chrominance-to-luminance delay inequality can be performed if the spectrum analyzer has Option 107 TV receiver/video tester.



Easy-to-install measurement personalities

Component Test

(See page 285 for more information.)

HP 85714A Scalar Measurement Personality

An HP 85714A measurement personality and HP 8590 series analyzer with optional built-in tracking generator make fast, accurate scalar transmission measurements from 100 kHz to 2.9 GHz. Features include guided calibration, pass/fail limit line testing, 120 dB display, bandwidth, Q factor, and shape factor. The HP 85630A scalar test set adds simultaneous transmission/reflection display.

HP 85719A Noise Figure Measurement Personality

The HP 85719A noise figure measurement personality customizes an HP 8590 Option 119 E-series spectrum analyzer for displayed swept noise figure and gain measurements from 10 MHz to 2.9 GHz.

Electromagnetic Compatibility

(See page 378 for more information.)

HP 85712D EMC Auto-Measurement Personality

The HP 85712D simplifies precompliance EMI measurements. The spectrum analyzer is set up automatically with the correct limit lines, transducer factor corrections, frequency range, and bandwidths which is supplied on the personality card. It can perform automatic peak, quasi-peak, and average on up to 20 signals at a time and print the results directly, or store them to a RAM card for future viewing.

Lightwave

(See page 475 for more information.)

HP 11982A Opt 001 Lightwave Converter Personality

The HP 11982A Opt 001 personality provides frequency response correction and amplitude conversion of the optical marker for lightwave signals when used with the HP 11982A amplified lightwave converter and an HP 8590 series analyzer.

