KEYSIGHT TECHNOLOGIES (AGILENT HP)

8757A

The Keysight (formerly Agilent HP) 8757A is a high-performance microprocessor-based scalar network analyzer designed for precise microwave and RF reflection and transmission measurements. Featuring a large CRT display, four independent display channels, and compatibility with a wide range of external detectors and directional bridges, it enables comprehensive characterization of active and passive components. Highly versatile, it can be fully programmed over HP-IB and supports a dedicated system interface for direct control of sweep sources and plotters.

SPECIFICATIONS

Display & Trace Characteristics

Trace Averaging	2, 4, 8, 16, 32, 64, 128, 256 successive traces
Trace Smoothing Range	0.1% to 20% of trace width

Measurement Performance

AC Mode Modulation Frequency	27.778 kHz
Reference Level Range	-90 to +90 dBm (or dB)
Reference Level Resolution	0.01 dB

Display

Number of Displayed Traces	4

System Capabilities

Save/Recall Registers	9 instrument states

Compatibility

Compatible Detectors	HP 11664 series, HP 85025 series, HP 85026 series

Interfaces

System Interface Port	Dedicated HP-IB interface for direct sweep oscillator and plotter control

TECHNOLOGY

Scalar Network Analysis

APPLICATIONS

RF and microwave magnitude-only transmission and reflection measurements