

NETWORK ANALYZERS

Accessories (cont'd)

8753A Series

Calibration Kits

Accuracy enhancement procedures characterize the systematic errors of the measurement system by measuring known devices (standards) on the system over the frequency range of interest. The calibration kits in the HP 8753A family contain precision standards with which to characterize the systematic errors of a HP 8753A measurement system. These standards have been optimized for the 300 kHz to 3 GHz frequency range and are available in various connector types that are compatible with the HP 8753A.

HP 85031B 7 mm Calibration Kit

The HP 85031B 7 mm calibration kit contains a set of precision 7 mm fixed terminations, an open circuit, and a short circuit used to calibrate the HP 8753A and its 50 ohm test sets for measurement of devices with precision 7 mm connectors.

HP 85032B 50 Ω Type N Calibration Kit

The HP 85032B Calibration Kit contains precision 50 Ω type N standards used to calibrate the HP 8753A and its 50 Ω test sets for measurement of devices with 50 Ω type N connectors. Precision phase-matched 7 mm to 50 Ω type N adapters are included for accurate measurements of non-insertable devices. Standards include fixed terminations, open circuits, and short circuits.

HP 85033C 3.5 mm Calibration Kit

The HP 85033C Calibration Kit contains precision 3.5 mm standards used to calibrate the HP 8753A and its 50 Ω test sets for measurement of devices with 3.5 mm and SMA connectors. Standards include fixed terminations, open circuits, and short circuits. Precision 7 mm to 3.5 mm adapters are included for accurate measurements of non-insertable devices.

HP 85036B 75 Ω type N Calibration Kit

The HP 85036B Calibration Kit contains precision 75 Ω type N standards used to calibrate the HP 8753A and its 75 Ω test sets for measurement of devices with 75 Ω type N connectors. Standards include fixed terminations, open circuits, and short circuits. Precision phase-matched adapters are included for accurate measurements of non-insertable devices.

Verification Kits

Measuring known devices, other than the calibration standards, is a convenient way of verifying that the HP 8753A measurement system is operating properly.

HP 85029A 7 mm Verification Kit

The HP 85029A Verification Kit contains a set of precision 7 mm devices, with data traceable to NBS, used to verify the calibrated performance of an HP 8753A measurement system. The devices have precision 7 mm connectors and include a 20 dB pad, a 50 dB pad and a mismatch attenuator. Verification process requires only an HP 85031B calibration kit, an HP 85029A verification kits and an external 3.5" disc (HP 9122S or HP 9122D) connected to the HP 8753A.

Software

HP 85160A Measurement Automation Software

Measurement Automation Software simplifies device measurements by providing guided measurements, limit testing, sequencing to test all four S-parameters, data formatting flexibility (data files can be formatted to be compatible with Touchstone® linear circuit simulation programs) and complete save/recall capability to a floppy disc. Once configured, simply recall a test file and calibration data, connect the device-under-test, and output the results. Software operates with a BASIC operating system using an HP Series 300 computer (2 megabytes of memory required).

Service and Support Products

Service and support products are available for HP 8753A measurement systems. On-site support products require a specific 50 ohm two-port measurement configuration.¹ Contact your local HP sales office for availability and price.

HP 8753A Return-to-HP Service

HP 8753A Option W30 3-Year Extended Return-to-HP Support

Adds two additional years of return-to-HP support to your normal one year return-to-HP warranty for the HP 8753A network analyzer (does not include test sets, cables, or calibration kits). Return-to-HP support does not include annual maintenance or calibrations of the network analyzer.

Ordering Information

	Price
HP 8753A Network Analyzer	\$25,500
Option 010 Time Domain	\$4,800
Option 908 Rack Mounting Kit (without handles)	\$40
Option 910 Extra Manuals	\$75
Option 913 Rack Mounting Kit	\$40
Option W03 On-Site Warranty Conversion	\$0
Option W30 Three-Year Extended Return-to-HP Support	\$470
HP 85046A 50 Ω S-Parameter Test Set	\$7,800
Option 908 Rack Mounting Kit (without handles)	\$40
Option 913 Rack Mounting Kit	\$40
Option W03 On-Site Warranty Conversion	\$0
Option W30 Three-Year Extended Return-to-HP Support	\$140
HP 85046B 75 Ω S-Parameter Test Set	\$7,800
Option 908 Rack Mounting Kit (without handles)	\$40
Option 913 Rack Mounting Kit	\$40
Option W03 On-Site Warranty Conversion	\$0
Option W30 Three-Year Extended Return-to-HP Support	\$140
HP 85044A 50 Ω Transmission/Reflection Test Set	\$3,000
Option W30 Three-Year Extended Return-to-HP Support	\$70
HP 85044B 75 Ω Transmission/Reflection Test Set	\$3,500
Option W30 Three-Year Extended Return-to-HP Support	\$70
HP 85029A Precision 7 mm Verification Kit	\$1,500
HP 85031B Precision 7 mm Calibration Kit	\$1,000
HP 85032B 50 Ω type N Calibration Kit	\$1,500
HP 85033C Precision 3.5 mm Calibration Kit	\$2,500
HP 85036B 75 Ω type N Calibration Kit	\$2,000
HP 85043B Systems Rack	\$2,900
HP 85033A SMA Kit	\$1,000
HP 85160A Measurement Automation Software	\$1,500
HP 11850C 50 Ω Power Splitter	\$900
HP 11850D 75 Ω Power Splitter	\$1,400
HP 11851B type N RF Cable Kit	\$800
HP 11852B 50 to 75 Ω Minimum Loss Pad	\$350
HP 11853A 50 Ω type N Accessory Kit	\$350
HP 11854A 50 Ω BNC Accessory Kit	\$350
HP 11855A 75 Ω type N Accessory Kit	\$450
HP 11856A 75 Ω BNC Accessory Kit	\$450
HP 11857B 75 Ω type N Test Port Extension Cables	\$1,455
HP 11857D 50 Ω APC-7 Test Port Extension Cables	\$1,050
HP 11858A Transistor Fixture Adapter	\$980

¹The specific 50 ohm two-port measurement system includes the HP 8753A, the HP 85046A S-parameter test set, the HP 85031B 7 mm calibration kit, and the HP 11857D 7 mm test port extension cable set. This is a minimum configuration required for on-site verification.