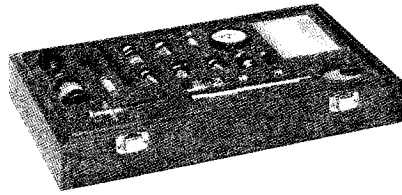




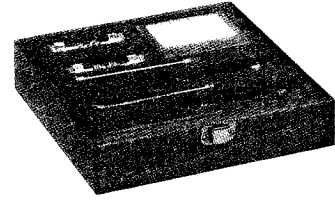
NETWORK ANALYZERS

Microwave Network Analyzer Accessories (cont'd)

HP 8510, 8720 Series



HP 85050C



HP 85053B

Microwave Network Analyzer Accessories

Accessories for the HP 8720C and the HP 8510C Series network analyzers include calibration kits, verification kits, cables, and adapters for 7 mm, 3.5 mm, Type N, and 2.4 mm connector interfaces. The standards used in the 3.5 mm, Type N, and 2.4 mm connectors use precision slotless connectors (PSC-3.5, PSC-N, and PSC-2.4).

Calibration Kits

Error-correction procedures require that the systematic errors in the measurement system be characterized by measuring known devices (standards) on the system over the frequency range of interest. All network analyzer calibration kits contain precision standard devices to characterize the systematic errors of the HP 8720C or 8510C network analyzer system.

Each calibration kit also contains adapters to change the sex of the test port, connector gages for verifying and maintaining the connector interface, and a torque wrench for proper connection. Each kit contains standards definitions on disk for the HP 8510C. (These definitions are already included in the HP 8720C.)

Calibration Kit Summary*

Calibration kit	Connector type	Frequency range (GHz)	Performance summary		Description
			directivity/source match at F_{max} w/8720C	w/8510C	
85050B	7 mm	0.045 to 18	45/30	52/41	Contains open and short circuits, fixed and sliding terminations.
85050C	7 mm	0.045 to 18	n/a	60/60	Contains standards for TRL calibration on HP 8510B, including precision airline. Also contains open and short circuit, fixed termination.
85050D	7 mm	0.045 to 18	36/30	40/35	Economy kit. Contains open and short circuits, precision-fixed termination. Gages not included.
85052B	3.5 mm	0.045 to 26.5	40/30	44/31	Contains open and short circuits (m and f), fixed and sliding terminations (m and f), in-series adapters.
85052C	3.5 mm	0.045 to 26.5	n/a	50/50	Contains standards for TRL calibration on HP 8510, including precision airlines. Also contains open and short circuits, fixed terminations. Gages not included (see HP 11752D).
85052D	3.5 mm	0.045 to 26.5	36/29	36/30	Economy kit. Contains open and short circuits (m and f), precision fixed termination (m and f), in-series adapters. Gages not included.
85054B	Type N	0.045 to 18	40/30	42/32	Contains open and short circuits (m and f), fixed and sliding terminations (m and f), in-series adapters, 7 mm to type N (m and f) adapters.
85054D	Type N	0.045 to 18	34/28	34/28	Contains open and short circuits (m and f), broadband fixed terminations, in-series adapters, 7-mm-to-type-N (m and f) adapters.
85056A	2.4 mm	0.045 to 50	38/33	38/33	Contains open and short circuits (m and f), fixed and sliding terminations (m and f), in-series adapters.
85056D	2.4 mm	0.045 to 50	26/24	26/24	Contains open and short circuits, broadband terminations, in-series adapters. Gages not included.
85058D	1.85 mm	0.045 to 65	n/a	20/13.5 (typical)	Contains open and short circuits, broadband fixed terminations, in-series adapters. Gages not included.
X11644A	WR-90	8.2 to 12.4	50/45	50/50	Contain flush short circuit, a precision shim, and a sliding (R) or fixed (X/P/K) termination.
P11644A	WR-62	12.4 to 18.0	50/45	50/50	
K11644A	WR-42	18.0 to 26.5	50/45	50/50	
R11644A	WR-28	26.5 to 40	50/45	50/50	

*2.92 mm calibration kits available on request.

Verification Kits

Measuring known devices, other than the calibration standards, is a straightforward way of verifying that the network analyzer system is operating properly. HP offers verification kits that include precision airlines, mismatch airlines, and precision fixed attenuators. Traceable measurement data is shipped with each kit on disk.

Verification kits may be recertified by Hewlett-Packard. This recertification includes a new measurement of all standards, as well as new data and uncertainties. Certification in compliance with MIL-STD 45662A is also available.

Verification Kit Summary

Verification kit	Connector type	Frequency range (GHz)	
85051B	7 mm	0.045 to 18	
85053B	3.5 mm	0.045 to 26.5	
85055A	Type N	0.045 to 18	
85057B	2.4 mm	0.045 to 50	
R11645A	WR-28	26.5 to 40	