



HP 8753E accessories

Calibration kits

Vector accuracy enhancement procedures require that the systematic errors of the measurement system be characterized by measuring known devices (standards) on the system over the frequency range of interest. The following calibration kits contain precision standards in many different connector types. Return loss specifications or typical values are provided where available for the terminations and adapters.

HP 85031B 7-mm calibration kit

Contains precision 7-mm standards used to calibrate the HP 8753E for measurement of devices with precision 7 mm connectors.

Includes	HP part number
7 mm short/open circuit	85031-60001
7 mm 50-ohm term (two each)	00909-60008
Specifications for terminations	DC to 5 GHz: RL ≥ 52 dB 5 to 6 GHz: RL ≥ 46 dB

HP 85032B 50-ohm type-N calibration kit

Contains precision 50-ohm type-N standards used to calibrate the HP 8753E and 50-ohm test sets for measurement of devices with 50-ohm type-N connectors. Precision phase-matched 7-mm to type-N adapters are included for accurate measurements of non-insertable devices.

Includes	HP part number
N-male 50-ohm termination	00909-60009
N-female 50-ohm termination	00909-60010
N-male short circuit	85032-60008
N-female short circuit	85032-60009
N-female open circuit	85032-60012
N-male open circuit	85032-60007
7 mm to N-male adapter (two each)	85054-60009
7 mm to N-female adapter (two each)	85054-60001
Specifications for terminations	DC to 3 GHz: RL ≥ 49 dB 2 to 3 GHz: RL ≥ 46 dB 3 to 6 GHz: RL ≥ 40 dB
Typical adapter characteristics	DC to 6 GHz: RL ≥ 30 dB

HP 85033D 3.5-mm calibration kit

Contains a set of precision 3.5-mm standards to calibrate the HP 8753E and 50-ohm test sets for the measurement of devices with precision 3.5-mm and SMA connectors. Precision phase-matched 7-mm to 3.5-mm adapters are included for accurate measurements of non-insertable devices.

Includes	HP part number
3.5-mm-male 50-ohm termination	85033-60009
3.5-mm-female 50-ohm termination	85033-60010
3.5-mm-female short	85033-60014
3.5-mm-male short	85033-60013
3.5-mm-female open	85033-60012
3.5-mm-male open	85033-60011
7-mm to 3.5-mm female adapter (two)	1250-1747
7-mm to 3.5-mm male adapter (two)	1250-1746
Specifications for terminations	DC to 1.3 GHz: RL ≥ 46 dB 1.3 to 3 GHz: RL ≥ 44 dB 3 to 6 GHz: RL ≥ 38 dB
Typical adapter characteristics	DC to 6 GHz: RL ≥ 34 dB

HP 85036B 75-ohm type-N calibration kit

Contains a set of precision 75-ohm type-N standards to calibrate the HP 8753E and 75-ohm test sets for measurement of devices with 75-ohm type-N connectors. Precision phased matched adapters are included for accurate measurements of non-insertable devices.

Includes	HP part number
N-male 75-ohm termination	00909-60019
N-female 75-ohm termination	00909-60020
N-female 75-ohm short	85036-60011
N-male 75-ohm short	85036-60012
N-female open	85032-20001
N-male open	85032-60007
N-male to N-male 75-ohm adapter	85036-60013
N-female to N-female 75-ohm adapter	85036-60014
N-male to N-female 75-ohm adapter	85036-60015
Specifications for terminations	DC to 2 GHz: RL ≥ 46 dB 2 to 3 GHz: RL ≥ 40 dB