

## 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 $\Omega$ Type N Calibration Kit

The HP 85032B Calibration Kit contains precision 50  $\Omega$  type N standards used to calibrate the HP 8753A and its 50  $\Omega$  test sets for measurement of devices with 50  $\Omega$  type N connectors. Precision phase-matched 7 mm to 50  $\Omega$  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  $\Omega$  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 $\Omega$ type N Calibration Kit

The HP 85036B Calibration Kit contains precision 75  $\Omega$  type N standards used to calibrate the HP 8753A and its 75  $\Omega$  test sets for measurement of devices with 75  $\Omega$  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

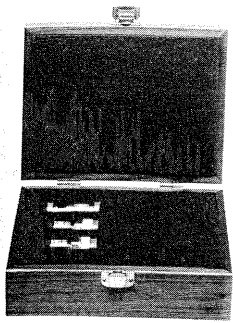
Measuring known devices, other than the calibration standards, is a convenient way of verifying that the HP 8753A measurement system is operating properly.

### HP 85029A 7 mm Verification Kit

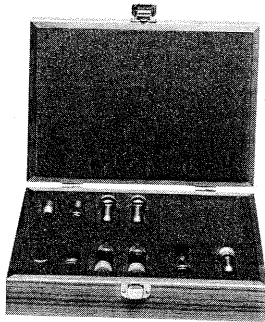
The HP 85029A Verification Kit contains a set of precision 7 mm devices, with data traceable to NBS, used to verify the calibrated performance of an HP 8753A measurement system. The devices have precision 7 mm connectors and include a 20 dB pad, a 50 dB pad and a mismatch attenuator. Verification process 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.

### HP 85043B

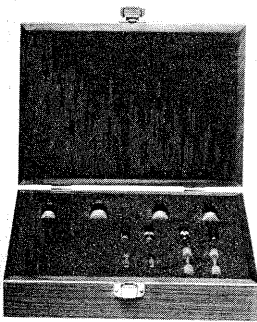
The HP 85043B systems cabinet has been ergonomically designed specifically for the HP 8753A and the HP 85046A/B s-parameter test sets. The 122 cm (48-inch) system cabinet includes a bookcase, a drawer, and a convenient work surface.



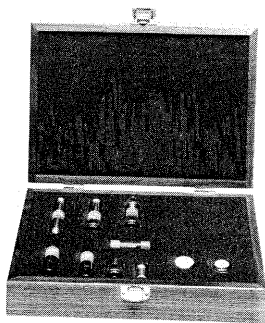
HP 85031B



HP 85032B



HP 85033C



HP 85036B

### HP 11857D 50 $\Omega$ APC-7 Test Port Extension Cables

**General:** two precision 61 cm (24 in.) cables, phase matched to 2° at 1.3 GHz for use with HP 85046 A S-parameter test set. Connectors are 50  $\Omega$  APC-7.

**Weight:** net, 0.91 kg (2 lb); shipping, 2.3 kg (5 lb).

### HP 11857B 75 $\Omega$ Type N Test Port Extension Cables

**General:** two precision 61 cm (24 in.) cables, phase matched to 2° at 1.3 GHz for use with HP 85046B S-parameter test set. One cable has 75  $\Omega$  Type N Male connectors on both ends; the other has one Type N Male and one Type N Female connector.

**Weight:** net, 0.91 kg (2 lb); shipping, 2.3 kg (5 lb).

### HP 11858A Transistor Fixture Adapter

**General:** the HP 11858A adapts the HP 11600B and 11602B transistor fixtures (vertical test port configuration) to the HP 85046A S-parameter test set. Connectors are APC-7.

**Weight:** net, 0.91 kg (2 lb); shipping, 1.36 kg (3 lb).