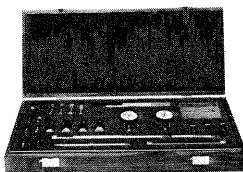
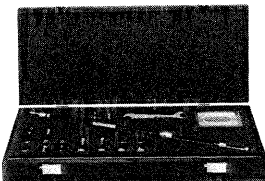


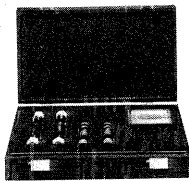
HP 85050A



HP 85052A



HP 85054A



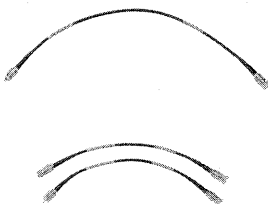
HP 85051A



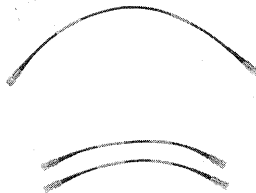
HP 85053A



HP 85130A



HP 85131A/B



HP 85132A/B

## 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. The calibration kits in the HP 8510 family contain precision standard devices to characterize the systematic errors of the HP 8510 system. Hewlett-Packard offers several calibration kits in various connector interfaces that are compatible with the HP 8510.

### HP 85050A 7 mm Calibration Kit

The HP 85050A 7 mm calibration kit contains a set of precision calibration standards used to calibrate the HP 8510 system for measurements of devices with precision 7 mm connectors. The calibration standards include open and short circuits, and fixed and sliding terminations. Also included are a precision 7 mm connector gage and tools for verifying and maintaining the connector interfaces.

**Option 010:** Adds a precision 30 cm beadless airline that is useful in time domain applications.

**Option 020:** Deletes precision 7 mm connector gage and tools.

### HP 85052A 3.5 mm Calibration Kit

The HP 85052A 3.5 mm calibration kit contains a set of precision calibration standards used to calibrate the HP 8510 system for measurements of devices with 3.5 mm connectors (precision 3.5 mm or SMA). The calibration standards include open and short circuits, and fixed and sliding terminations. Also included are precision 7 mm to 3.5 mm adapters. Connector gages are supplied for verifying critical mechanical tolerances of the 3.5 mm connector interface.

**Option 010:** Adds precision 15 cm beadless airline that is useful in time domain applications.

**Option 020:** Deletes precision 3.5 mm connector gages.

### HP 85054A Type N Calibration Kit

The HP 85054A Type N calibration kit contains a set of precision calibration standards used to calibrate the HP 8510 system for measurements of devices with Type N connectors. The calibration standards include open and short circuits, and fixed and sliding terminations. Also included are precision 7 mm to Type N adapters.

## Verification Kits

Measuring known devices, other than the calibration standards, is a straightforward way of verifying that the HP 8510 system is operating properly. Hewlett-Packard offers verification kits that include standard devices, with data, for verifying the error-corrected measurement performance of the HP 8510 system.

### HP 85051A 7 mm Verification Kit

The HP 85051A 7 mm verification kit contains a set of precision devices, with data, used to verify the error-corrected performance of the HP 8510 system. The devices have precision 7 mm connectors and include 20 dB and 50 dB attenuators, a 10 cm beadless airline, and a 10 cm beadless stepped impedance airline (25 ohms nominal).

### HP 85053A 3.5 mm Verification Kit

The HP 85053A 3.5 mm verification kit contains a set of precision devices, with data, used to verify the error-corrected performance of the HP 8510 system. The devices have precision 3.5 mm connectors and include 20 dB and 40 dB attenuators, a 7.5 cm beadless airline, and a 7.5 cm beadless stepped impedance airline (25 ohms nominal).

## Test Port Return Cables

Hewlett-Packard offers a variety of high quality RF cables that are used to return the transmitted signal to the test set when measuring two-port devices.

### HP 85131A 3.5 mm Test Port Return Cable

The HP 85131A is a single test port return cable for use with either the HP 8513A or 8515A test sets (when connecting the device directly to Port 1).

**Frequency Range:** dc to 26.5 GHz

**Length:** 91 cm (36 in.)

**VSWR:** 1.22:1, typical

**Connectors:** Special 3.5 mm, and precision 3.5 mm (female)

### HP 85131B 3.5 mm Test Port Return Cable Set

The HP 85131B is a pair of test port return cables for use with the HP 8515A test set. The device is connected between the cables during measurement.

**Frequency Range:** dc to 26.5 GHz

**Length:** 66 cm (24 in.) each

**VSWR:** 1.22:1, typical

**Connectors:** Special 3.5 mm, and precision 3.5 mm (one male, or female)

### HP 85132A 7 mm Test Port Return Cable

The HP 85132A is a single test port return cable for use with either HP 8512A or 8414A test sets (when connecting the device directly to Port 1). When used with the HP 85130A adapter set, the HP 85132A can also be used with the HP 8513A and HP 8515A test sets when measuring devices with precision 7 mm connectors.

**Frequency Range:** dc to 18 GHz

**Length:** 91 cm (86 in.)

**VSWR:** 1.2:1, typical

**Connectors:** Precision 7 mm

### HP 85132B Test Port Return Cable Set

The HP 85132B is a pair of test port return cables for use with the HP 8514A test set. The device is connected between the cables during measurement. When used with the HP 85130A adapter set, the HP 85132A set can also be used with the HP 8515A set when measuring devices with precision 7 mm connectors.

**Frequency Range:** dc to 18 GHz

**Length:** 66 cm (24 in.) each

**VSWR:** 1.2:1, typical

**Connectors:** Precision 7 mm

### HP 85130A Special 3.5 mm to 7 mm Adapter Set

The HP 85130A kit contains a set of precision special 3.5 mm to 7 mm adapters used for converting the test ports of the HP 8513A and 8515A test sets to a precision 7 mm interface. The HP 85132A or 85132B cables are used as the test port return cables when the HP 85130A adapters are connected to the test set.