



**Agilent  
11853A  
50 Ohm Type-N  
Accessory Kit**

**Operating and Service  
Manual**



11853-90003



**Agilent Technologies**

# Notices

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## Manual Part Number

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## Safety Notices

### CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

### WARNING

A **WARNING** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a **WARNING** notice until the indicated conditions are fully understood and met.

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## 11853A Accessory Kit

### General Information

To obtain optimum performance from this accessory kit, observe these simple precautions:

- Keep the protective plastic end-caps on the components when not in use.
- Make connections carefully to avoid misalignment and connector damage, which will result in inaccurate measurements.
- Keep the connectors free of dirt and any particles.
- When you clean the connectors, try using compressed air first. Do not use abrasives. If further cleaning is required, refer to the *Connector Care for RF and Microwave Coaxial Connectors* document. It can be viewed online by searching for part number 08510-90064 at [www.agilent.com](http://www.agilent.com).

### Description

The 11853A 50 ohm Type-N Accessory kit contains the RF components required for measurement of devices with 50 ohm, type-N connectors, and for using a network analyzer with a type-N configuration. Each kit contains a type-N (female) short, a type-N (male) short, two type-N (male) barrels, two type-N (female) barrels, and a storage case.

### Contents

The 11853A kit contains the following:

- Type-N (f) short (Agilent part number 85032-60009)
- Type-N (m) short (Agilent part number 85032-60008)
- Type-N (m) barrell (Agilent part number 1250-1475), quantity 2
- Type-N (f) barrell (Agilent part number 1250-1472), quantity 2
- Storage box, (Agilent part number 9211-1582)
- Storage box foam pad, (Agilent part number 9220-2550)
- Operating and Service Manual (Agilent part number 11853-90003)

### Performance Characteristics

Return loss of adapters: typically 40 dB up to 1.3 GHz.

### General Characteristics

#### Weight

Net: 0.91 kg (2 lb.)

Shipping: 1.36 kg (3 lb.)

## Dimensions

Width: 168 mm

Depth: 114 mm

Height: 51 mm

(6 5/8 inches x 4 1/2 inches x 2 inches)

## Replaceable Parts

There are no replaceable components for the components. A worn or damaged component must be replaced in whole.

## Equipment and Supplies

The following equipment and supplies are required for the maintenance and use of, but are not supplied with, your 11853A accessories kit.

Item	Part Number
Type-N gage set (part of the 85032F calibration kit)	85054-60059
Torque wrench, 3/4", 136 N-cm (12 in-lb)	8710-1766
Document: <i>Connector Care for RF and Microwave Coaxial Connectors</i>	08510-90064

## Connector Maintenance

For information on cleaning and gaging connectors, refer to the *Connector Care for RF and Microwave Coaxial Connectors* document. It can be viewed online by searching for part number 08510-90064 at [www.agilent.com](http://www.agilent.com).

## Contacting Agilent

Assistance with test and measurement needs and information on finding a local Agilent office are available on the Web at:

[www.agilent.com/find/assist](http://www.agilent.com/find/assist)

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**NOTE** In any correspondence or telephone conversation, refer to the Agilent product by its model number and full serial number. With this information, the Agilent representative can determine whether your product is still within its warranty period.

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