

# Operating and Service Manual

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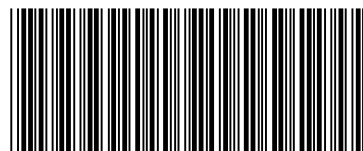
## 11855A 75 Ohm Type-N Accessory Kit



**Agilent Technologies**

Part Number 11855-90001

Printed in USA July 2004



11855-90001

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## **Hewlett-Packard to Agilent Technologies Transition**

This documentation supports a product that previously shipped under the Hewlett-Packard company brand name. The brand name has now been changed to Agilent Technologies. The two products are functionally identical, only our name has changed. The document still includes references to Hewlett-Packard products, some of which have been transitioned to Agilent Technologies.

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Operating and Service Manual

**HP 11855A**  
**75Ω Type N**  
**Accessory Kit**



HP Part No. 11855-90001  
Printed in USA June 1993

Edition 2

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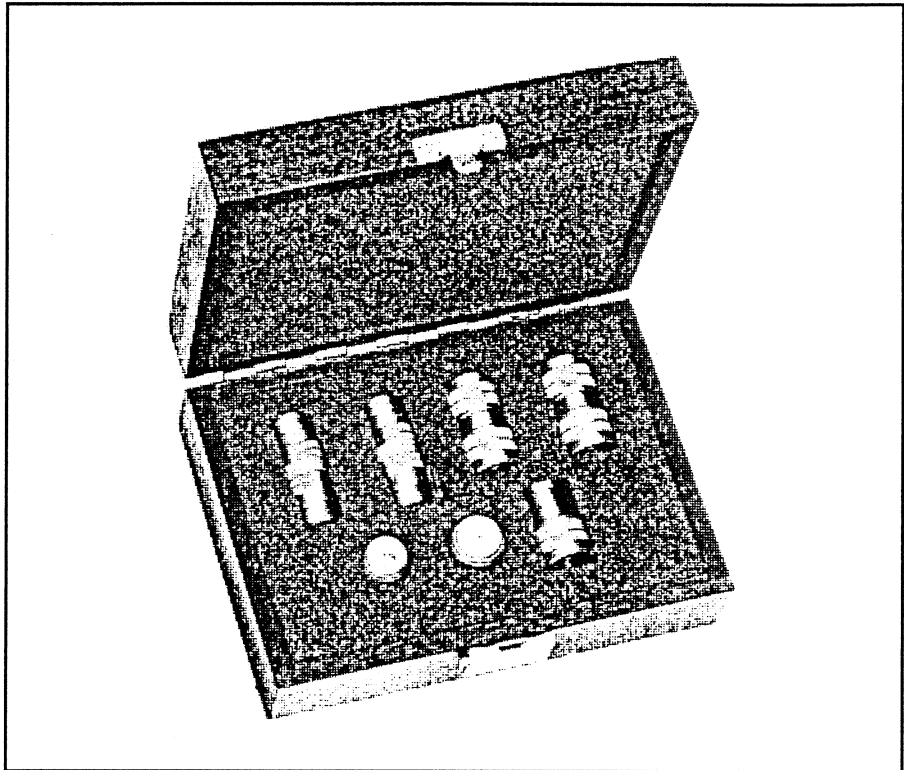
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*For any assistance, contact your nearest Hewlett-Packard Sales and Service Office.*



**Description** The HP 11855A 75Ω type N accessory kit contains the 75Ω adapters that are frequently required for test setups that utilize the HP 8502B 75Ω transmission/reflection test set or the HP 11850B 75Ω power splitter.

**Performance Characteristics** Return loss of adapters and termination Typically  $\geq 36$  dB up to 1.3 GHz

**Contents**

| Qty | Description                                | HP Part Number |
|-----|--------------------------------------------|----------------|
| 2   | 75Ω type N male to type N male adapter     | 1250-1528      |
| 2   | 75Ω type N female to type N female adapter | 1250-1529      |
| 1   | 75Ω type N male short circuit              | 1250-1530      |
| 1   | 75Ω type N female short circuit            | 1250-1531      |
| 1   | Type N male 75Ω termination                | 1250-1532      |
| 1   | Storage case                               | 9211-1582      |

**Weight** Net 0.91 kg (2 lb)  
Shipping 1.36 kg (3 lb)

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# Principles of Microwave Connector Care-- Quick Reference Card

## NOTE

### Before You Start:

Proper connector care and connection techniques are critical for accurate, repeatable measurements.

Refer to the calibration kit documentation for connector care information. Prior to making connections to the network analyzer, carefully review the information about inspecting, cleaning, and gaging connectors.

Having good connector care and connection techniques extends the life of these devices. In addition, you obtain the most accurate measurements.

This type of information is typically located in Chapter 3 of the calibration kit manuals.

For additional connector care instruction, contact your local Hewlett-Packard Sales and Service Office about course numbers HP 85050A+24A and HP 85050A+24D.

See the reverse side of this notice for quick reference tips about connector care.

# Principles of Microwave Connector Care-- Quick Reference Card

## Handling and Storage

### Do

- Keep connectors clean
- Extend sleeve or connector nut
- Use plastic end caps during storage

### Do Not

- Touch mating-plane surfaces
- Set connectors contact-end down

## Visual Inspection

### Do

- Inspect all connectors carefully before every connection
- Look for metal particles, scratches, and dents

### Do Not

- Use a damaged connector--ever

## Connector Cleaning

### Do

- Try compressed air first
- Use isopropyl alcohol
- Clean connector threads

### Do Not

- Use any abrasives
- Get liquid into plastic support beads

## Gaging Connectors

### Do

- Clean and zero the gage before use
- Use the correct gage type
- Use correct end of calibration block
- Gage all connectors before first use

### Do Not

- Use an out-of-spec connector

## Making Connections

### Do

- Align connectors carefully
- Make preliminary connection lightly
- Turn only the connector nut
- Use a torque wrench for final connect

### Do Not

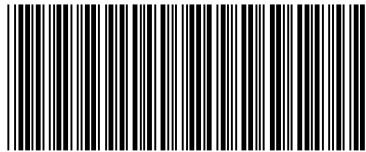
- Apply bending force to connection
- Overighten preliminary connection
- Twist or screw any connection
- Tighten past torque wrench "break" point

# Contacting Agilent

|                                                                                                                        |                                                                                                                 |                                                                                                                       |                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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