

# 14mm VNA Calibration Kits

## 2450 Series Expanded Kits

### Features

- ▶ Sliding Load Calibration
- ▶ MPC14 (GR900) Connectors
- ▶ Includes Connector Gage Kit
- ▶ Includes Test Port Adapters
- ▶ DC to 8.5 GHz



2450F14

### Description

These calibration kits are expanded kits designed for calibrating vector network analyzers (VNAs) equipped with 3.5mm, 2.92mm or 7mm test set connectors and cables, which will be used in making error-corrected measurements of devices with 14mm connectors from DC to 8.5 GHz.

Each kit includes a full complement of calibration standards and accessories (shorts, opens, sliding and fixed loads, torque wrench, connector gages, 3.5mm to 14mm adapters, and a 14mm contact installation/extraction tool with spare contacts). The software (3-1/2" disk) needed to easily load the VNA software into your VNA is also included.

### Connector Description

The MPC14 precision 14mm connector is essentially equivalent to, and mating compatible with, GR900 type connectors. It features an improved hex knurl coupling nut and an improved center conductor inner contact (model 2481A). The coupling nut has a 1.00 inch hex for accurate tightening with a torque wrench, and the knurled knob provides a positive grip for finger tightening.

### Components Included in 2450 Kits

QUANTITY	DESCRIPTION	MODEL
1	14mm fixed offset short	2415D1
1	14mm open	2416D1
1	14mm sliding termination	2408A1
2	14mm fixed termination	2410A
1	14mm to NMD3.5mm female adapter	2433A1
1	14mm to 3.5mm female adapter	2407A1
1	14mm to 3.5mm male adapter	2407B1
1	14mm Connector Gage Kit (push-on type)	A024
1	1-inch hex torque wrench (12 in. lbs)	2498T1
1	Contact installation/extraction tool	2481S3
2	14mm contacts (spare parts)	2481A
1	VNA software disk	—
1	Operating Instructions (manual)	—
1	Instrument case	—

### Available Kits

NETWORK ANALYZER TEST PORT TYPE	VNA MANUFACTURER AND MODEL	MAURY KIT MODEL
3.5mm or 2.92mm (K) <sup>1</sup>	Rohde & Schwarz ZV series	2450F11
3.5mm or 2.92mm (K) <sup>1</sup>	Agilent ENA series	2450F12
3.5mm or 2.92mm (K) <sup>1</sup>	Agilent 8510C	2450F14
3.5mm or 2.92mm (K) <sup>1</sup>	Agilent PNA series	2450F17
3.5mm or 2.92mm (K) <sup>1</sup>	Anritsu 37000	2450F19

<sup>1</sup> 3.5mm and 2.92mm (K) connectors are fully mateable. The resulting junction is calibrated out and is not critical.

### Recommended Accessories

2453A 30cm beadless air line. See page 85.

2607A1 14mm to 7mm adapters. See page 113.

7909H NMD2.4mm female to NMD3.5mm male adapter. See page 102.

 Key Literature: Maury data sheet 2Z-021C.