



Picture shows similar calibration kit

Usage

Please note: This Calibration Kit includes a set of adaptors only. The full functionality is only given with an additional RPC-N 75 Ω calibration kit, details see necessary accessory.

Please see application note AN002 *“S-Parameter Measurements with Non-Metrology Connector Interfaces”* on the Rosenberger homepage for further, more detailed information.

Contents

Device	Part number	Quantity	Calibration Option ^a
Calibration adaptor RPC-N 75 Ω jack / BNC 75 Ω jack	P5K171-K2AS3	1	FC
Calibration adaptor RPC-N 75 Ω jack / BNC 75 Ω plug	P5K171-S2AS3	1	FC
Calibration adaptor RPC-N 75 Ω plug / BNC 75 Ω jack	P5S171-K2AS3	1	FC
Calibration adaptor RPC-N 75 Ω plug / BNC 75 Ω plug	P5S171-S2AS3	1	FC

a. See "Declaration of calibration options" for explanation.

Necessary accessory

- Rosenberger Calibration Kit RPC-N 75 Ω P5CK011-170
or
- Equivalent OSLT Type N 75 Ω Calibration Kit

Documentation

This kit is delivered with

- **USB-Stick**
Standard Definitions as data files for Vector Network Analyzer Family PNA (Keysight/Agilent).
Calibration Certificate as PDF-file.
- **Standard Definitions Cards**
Printed Standard Definitions that can be used on nearly all Vector Network Analyzers.
- **Kit Info Card**
Handling precautions and information for installing Standard Definitions on a Vector Network Analyzer.
- **Calibration Certificate**
Details see "Declaration of calibration options"
- **Operating Manual**

Electrical specification

This specification covers electrical key values for the main calibration standards of the calibration kit. Specific datasheets are available for each component among the part number.

Calibration standard	Frequency	Parameter	Specification
Calibration adaptors RPC-N 75 Ω to BNC 75 Ω (plug/plug ; plug/jack ; jack/plug ; jack/jack)	DC to ≤ 4 GHz > 4 GHz to ≤ 8 GHz > 8 GHz to ≤ 12 GHz	Return Loss	≥ 30 dB ≥ 25 dB ≥ 15 dB

Declaration of calibration options

Factory Calibration

Standard delivery for this kit includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, **traceable to Rosenberger standards**, national / international standards are not available. Model based standard definitions of the calibration standards are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.

Accredited Calibration

Not available.

For further, more detailed information see application note AN001 on the Rosenberger homepage.

Calibration interval

Recommendation 12 months

Recommended accessories

- Rosenberger Test Port Adaptor
- Rosenberger RPC-N 50 Ω to RPC-N 75 Ω Impedance Matching Adaptor
- Rosenberger RPC-N 50 Ω to RPC-N 75 Ω Matching Attenuator
- Rosenberger VNA Test cable kit and Microwave Cable Assemblies

For further, more detailed information please visit our homepage www.rosenberger.com.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
H. Babinger	01.09.21	F.Reiner	08.06.22	a00	22-s135	M.Ruf	08.06.22

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com				Tel. : +49 8684 18-0 Email : info@rosenberger.com		Page 3 / 3	
----------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	------------------------------------------------------------------------------------------------	--	---------------	--