



Contents

Device	Part number	Quantity	Calibration Option ^a
Open circuit plug	08S12L-000S3	1	FC
Open circuit jack	08K12L-000S3	1	FC
Short circuit plug	08S12S-000S3	1	FC
Short circuit jack	08K12S-000S3	1	FC
Calibration load plug	08S150-C10S3	1	FC
Calibration load jack	08K150-C10S3	1	FC
Calibration adaptor plug/plug	08S121-S20S3	1	FC
Calibration adaptor jack/jack	08K121-K20S3	1	FC
Combi wrench	03W008-000	1	-
Torque wrench	03W021-000	1	FC
Gauge jack (including gauge block)	08W00S-000	1	FC
Gauge plug (including gauge block)	08W00K-000	1	FC

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

Documentation

This kit is delivered with

- **USB-Stick**
Standard Definitions as data files for Vector Network Analyzer Families PNA (Keysight/Agilent) and ZVA (Rohde&Schwarz). 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 specifications

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
Opens^b (plug and jack)	DC to ≤ 4 GHz > 4 GHz to ≤ 40 GHz > 40 GHz to ≤ 70 GHz	Error from Nominal Phase	≤ 2.0° ≤ 5.0° ≤ 8.0°
Shorts^b (plug and jack)	DC to ≤ 4 GHz > 4 GHz to ≤ 40 GHz > 40 GHz to ≤ 70 GHz	Error from Nominal Phase	≤ 2.0° ≤ 5.0° ≤ 8.0°
Calibration loads (plug and jack)	DC to ≤ 4 GHz > 4 GHz to ≤ 40 GHz > 40 GHz to ≤ 70 GHz	Return Loss	≥ 35 dB ≥ 26 dB ≥ 22 dB
Calibration adaptors (plug/plug and jack/jack)	DC to ≤ 4 GHz > 4 GHz to ≤ 40 GHz > 40 GHz to ≤ 70 GHz	Return Loss	≥ 28 dB ≥ 20 dB ≥ 17 dB

- b. The specifications for opens and shorts are given as allowed deviation from nominal model as defined in calibration certificate included with your kit.

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG
RF_35/05.10/6.1

Technical Data Sheet				Rosenberger			
RPC-1.85		Calibration Kit Full Version		08CK001-150			
Declaration of calibration options Factory Calibration Standard delivery for this kit includes a Factory Calibration. All devices marked with “FC” in the Content table above are reported in a Calibration Certificate with their individual calibration results, traceable to national / international standards. Model based definitions of the calibration standards are reported in 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 Recommendation12 months Recommended accessories - Rosenberger Test Port Adaptor - 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.							
Draft		Date		Approved		Date	
Martin Moder		04.03.15		Herbert Babinger		08.04.15	
Rev.		Engineering change number		Name		Date	
a00		15-s152		Maik Knoll		08.04.15	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de			Page 3 / 3