ROHDE&SCHWARZ
Make ideas real

R&S®FNH HANDHELD COMBINATION ANALYZER

Options for CAT & VNA



The perfect choice for

- Installation and maintenance
- RF Component test
- Education & Research
- Manufacturing

Key specifications			
Frequency Range / Upgrade Opt.	R&S®FNH6 R&S®FNH13 R&S®FNH26	Up to 6 GHz Up to 13.6 GHz Up to 26.5 GHz	Freq. Upgrade to 8 GHz Freq. Upgrade to 20 GHz Freq. Upgrade to 32 GHz (SA/RTSA only)
No. of Ports	2		
Measurements	DTF, one-port cable loss, VSWR, return loss, S11, S21, S12, S22 (magnitude & phase)		
Output Power	-50dBm to +6dBm		
Dynamic range	~ 120 dB		
Trace Noise	~0.0032 dB (10 MHz to 20.5 GHz)		
Meas. Speed	< 200 µSec per point		

The ultimate expandable multi-utility device for CAT / VNA Measurements

The FNH has separate options for CAT and VNA applications

- ► Standard Spectrum Analyzer
- ► Cable & Antenna Tester (CAT) / Vector Voltmeter (VVM)
- ► Full 2-Port Vector Network Analyzer (VNA)
- ► Preferred for field and lab applications with :-
  - – Fast measurement with < 200 µSec per point
  - – Wide dynamic range ~ 120 dB
- ► Quick Configuration for measurements defined in UI
- ► Long battery life ~ 4 Hours

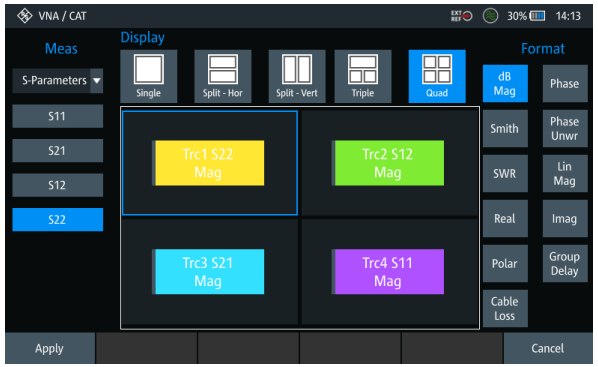
Placeholder for QR with tracking URL

For price and more information, visit
www.rohde-schwarz.com/product/FNH

Your benefit	Features of the R&S®FNH Handheld Combi Analyzer
A single tool to address multi-tasks	► Multiple devices in one (SA, RTSA, CAT, VNA, VVM, Power Meter etc.)
Additional protection from overloading without an external attenuator	► Built-in receiver step attenuator with attenuation from 0 dB to 15 dB in 5 dB step
CAT / VNA in same mode	► Eliminate the need of recalibration. Single calibration hold good for CAT and VNA measurements
Excellent for Production / Lab applications	► With a fast measurement speed of < 200 µSec per point ► Wide dynamic range of ~ 120 dB
Simple to configure	► Configuration overview menu enables quick measurement setup with < 70% less taps ► Flexible calibration approach ► Numerous calibration standards and calibration kits are supported. ► Calibration kit information can be easily entered manually with R&S®InstrumentView software
Usable in all weathers and terrain	► Excellent thermal stability with guaranteed operational temperature from -10°C to +55°C. ► Weather-proof holster - IP65 compliant ► Ruggedness assured with MIL Std MIL-PRF-28800F Class 2 and MIL-STD-810H
Persistent Field operation	► Light weight, small footprint ► Long battery operation time

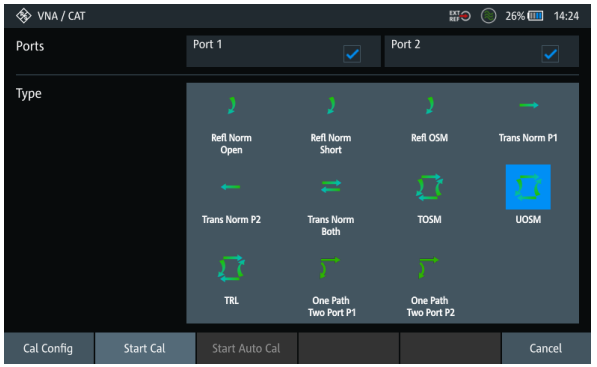
Configuration Overview

Configure entire measurement in few taps



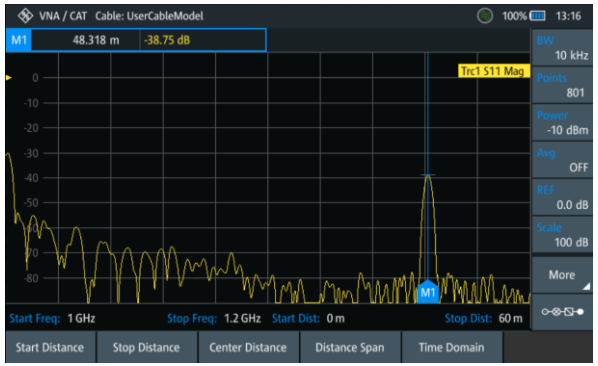
Calibration Prompt

Configure your calkit and calibration in few taps



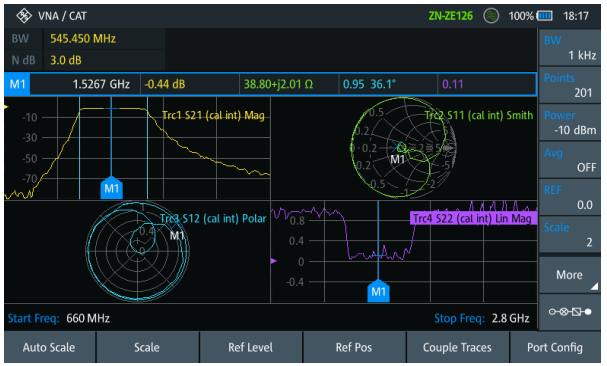
Cable & Antenna Tester

Distance-to-fault measurement



Full 2 Port Vector Network Analyzer

Filter Bandwidth measurement in VNA mode



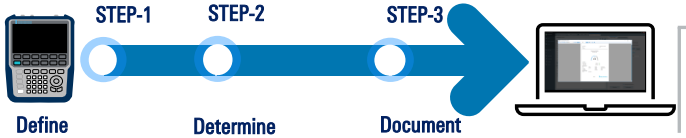
Wide range of Calibration Units

Speedup measurement calibration with a single connection



Execute preconfigured test sequence

Eliminate human errors and save time by using pre-configured measurements



Define
Define your measurement requirements in sequence

Determine
Determine the Wizard required for the test case & auto save results

Document
Saved results are reviewed and report is generated using InstrumentView S/w

Rohde & Schwarz Representative

Popular Options / Accessories	
Description	**Item**
RF-PORTS : 3.5MM (MALE)	R&S®FBH-B102
DC BIAS VARIABLE VOLTAGE	R&S®FNH-B10
CAT/VNA FREQ UP 6-8GHZ	R&S®FNH-B8NA
NA FREQ UP 13.6-20GHZ	R&S®FNH-B20NA
POWER RANGE EXTENSION	R&S®FNH-B44
USB PWR SENSOR SUPP.	R&S®FNH-K9
CHANNEL POWER METER	R&S®FNH-K19
PULSE MEASUREMENT	R&S®FNH-K29
CAT APPLICATION 6GHz / 13.6GHz / 26.5 GHz	R&S®FNH-K41
VNA APPLICATION 6GHz / 13.6GHz / 26.5 GHz	R&S®FNH-K42
VECTOR VOLTMETER	R&S®FNH-K45
WAVE RATIO & QTY	R&S®FNH-K66
TIME DOMAIN ANALYSIS	R&S®FNH-K68
Calibration kit (1 MHz to 6 GHz)	R&S®R&S®ZN-Z103
Calibration kit, 50 Ω (combined open/short) - 8 GHz	R&S®FSH-Z28
Calibration kit, type N (M) - 0 Hz to 18 GHz	R&S®ZN-Z170
Calibration kit, type N (F) - 0 Hz to 18 GHz	R&S®ZN-Z170
Calibration kit, 3.5 mm (M) - 0 Hz to 26.5 GHz	R&S®ZN-Z135
Calibration kit, 3.5 mm (F) - 0 Hz to 26.5 GHz	R&S®ZN-Z135
Calibration unit, 2-port - 5 kHz to 9 GHz	R&S®ZN-ZE109
Calibration unit, 2-port - 5 kHz to 18 GHz	R&S®ZN-ZE118
Calibration unit, 2-port - 5 kHz to 26.5 GHz	R&S®ZN-ZE126

Feature highlights (list)

- ► Multiple devices in one compact handheld device.
- ► Best in class RF Specifications for SA, RTSA, VNA, CAT etc.
- ► All upgrades using S/w license keys ensure zero down time
- ► Wide range of accessories available

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