ROHDE&SCHWARZ
Make ideas real

R&S®NRX POWER METER
The new power meter generation with modern and intuitive user interface

The perfect choice for

Easy RF power measurements	**Multi-channel measurements**
RF pulse analysis	**System integration**

Key specifications

Frequency range	DC to 110 GHz (sensor dependent)
Power measurement range	0.1 fW to 30 W (average) (sensor dependent)
Measurements channels	1 to 4
Display size	5"/12.7 cm
Display resolution	800 x 480 pixel (WVGA)
Touch panel	yes
Compatible sensors	R&S®NRPxxS(N)/T(N)/A(N) series R&S®NRP-Zxx series R&S®NRQ6 frequency selective power sensor R&S®NRT-Zxx directional power sensors
Weight	2.35 kg to 2.58 kg (option dependent)

Key features

► Intuitive operation with touchscreen based GUI
► Supports up to four R&S®NRP and R&S®NRQ6 power sensors
► Supports all sensor-dependent measurement functions
► Optional high-precision CW and pulse mode reference source module
► Optional power reflection measurements with R&S®NRT-Zxx sensors

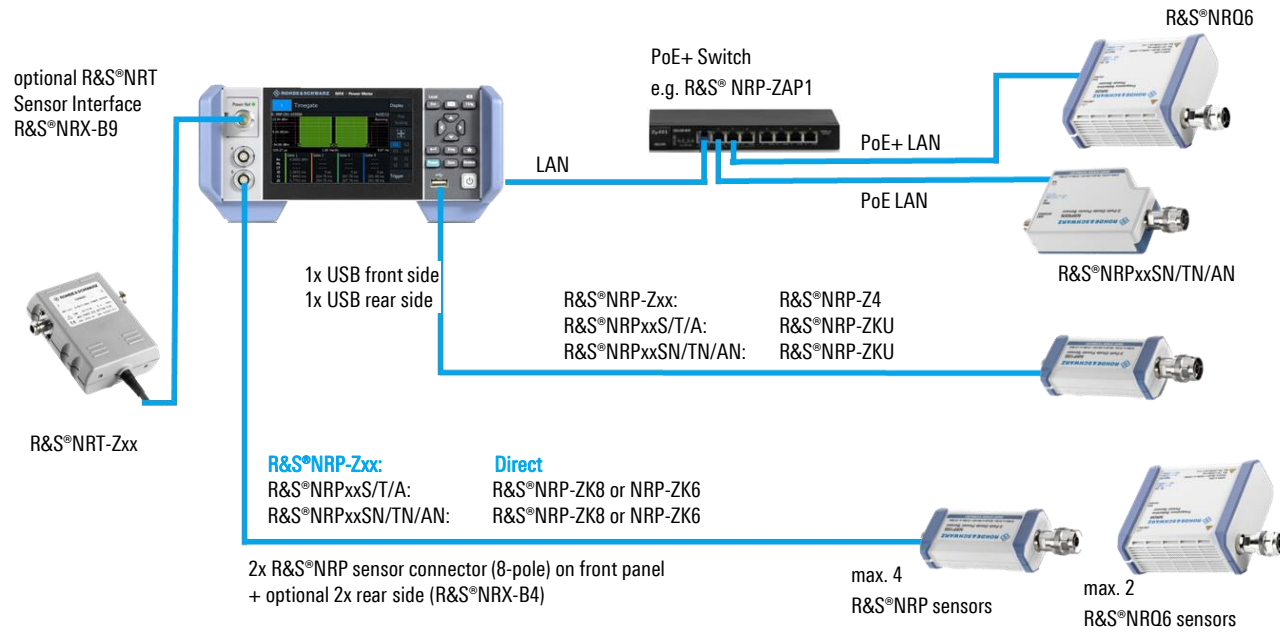| Your benefit	Features
Easy to use	► Clear color touchscreen supports the intuitive, window based operating concept. ► Color-coded key parameters and functions can be seen at a glance. ► Results are presented in numerical and graphical display windows that can be easily configured.
Sensor check source	► Superior pulse reference generator ► Test source for sensors and DUT ► Variable mode (CW/pulse), frequency (50 MHz/1 GHz) and discrete power steps
All-in-one base unit	► Supports multipath, thermal, wideband and averaging sensors ► Supports frequency selective power sensors ► Supports directional power sensors

For more information:
www.rohde-schwarz.com/catalog/NRX

Universal sensor connectivity

optional R&S®NRT
Sensor Interface
R&S®NRX-B9

R&S®NRQ6

PoE+ Switch
e.g. R&S® NRP-ZAP1

PoE+ LAN

LAN

PoE LAN

R&S®NRPxxSN/TN/AN

R&S®NRT-Zxx

1x USB front side
1x USB rear side

R&S®NRP-Zxx: R&S®NRP-Z4
R&S®NRPxxS/T/A: R&S®NRP-ZKU
R&S®NRPxxSN/TN/AN: R&S®NRP-ZKU

R&S®NRP-Zxx: **Direct**
R&S®NRPxxS/T/A: R&S®NRP-ZK8 or NRP-ZK6
R&S®NRPxxSN/TN/AN: R&S®NRP-ZK8 or NRP-ZK6

2x R&S®NRP sensor connector (8-pole) on front panel
+ optional 2x rear side (R&S®NRX-B4)

max. 4
R&S®NRP sensors

max. 2
R&S®NRQ6 sensors

Ordering information

Ordering information	
Base unit	
Power meter	R&S®NRX
Hardware options	
Sensor check source	R&S®NRX-B1
Third (C) and fourth (D) sensor connector for R&S®NRP	R&S®NRX-B4
GPIB/IEEE488 interface	R&S®NRX-B8
Sensor interface for R&S®NRT	R&S®NRX-B9
Software options	
Second measurement channel	R&S®NRX-K2
Third and fourth measurement channel	R&S®NRX-K4
Recommended accessories	
19" rack adapter (for one R&S®NRX power meter and one empty casing)	R&S®ZZA-KNA22
19" rack adapter (for two R&S®NRX power meters)	R&S®ZZA-KNA24
Recommended extras (should be ordered with R&S®NRP power sensors)	
8-pole interface cable, length: 1.50 m	R&S®NRP-ZK8
8-pole interface cable, length: 3.00 m	R&S®NRP-ZK8
8-pole interface cable, length: 5.00 m	R&S®NRP-ZK8

Automatic pulse analysis
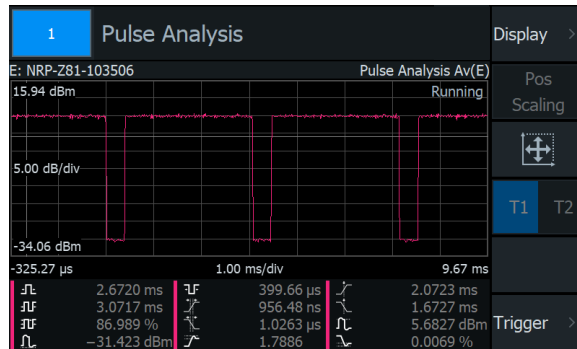
All R&S®NRP-Z8x wideband power sensors allow automatic pulse analysis.
Up to 12 of 18 user-selected pulse parameters can be displayed in addition to
the measurement trace.

Flexible device interfacing

Rohde & Schwarz Representative