



# R&S®NRPxE RF POWER SENSORS

Reliable. Accurate. Affordable.



R&S®NRPxE diode power sensors

## Reliable power measurements at an affordable price

R&S®NRPxE diode power sensors are a perfect blend of precision and durability. Their rugged housing can withstand tough engineering environments while remaining highly accurate. USB TMC digital connectivity simplifies integration with existing equipment. A focus on user safety and simplicity helps the R&S®NRPxE ensure easy and secure operation. Enhance measurement capabilities and reliability like never before with our cutting-edge power sensor technology at a fantastic price.

The perfect choice for

R&D service labs

Electronics test and repair centers

Hobbyists and HAM radio

Education and training

### Key specifications

Frequency range	10 MHz to 8 GHz/18 GHz
Dynamic range	80 dB
Measurement speed	up to 1000/s
Video bandwidth	100 kHz
Digital connectivity	USB TMC
VSWR	starting from < 1.13

### Your benefit

### Features of the R&S®NRPxE

Reliable power measurements

- ▶ Precision N connector for accurate, repeatable measurements
- ▶ Diode type detector for fast and precise readings
- ▶ Manufactured to strict RF specifications
- ▶ Calibrated over a wide temperature range
- ▶ Proven multipath diode technology

Safe and easy to use

- ▶ Get started without consulting a manual
- ▶ Clear and visible labeling on the sensor:
  - RF connector type with IEEE color coding
  - Maximum input power
  - Maximum DC voltage
  - RF connector torque

Great user experience

- ▶ On a PC computer with free professional R&S®PowerViewer Software
- ▶ On the R&S®NRX dedicated power meter base unit
- ▶ On a mobile phone using the free R&S®Power Viewer Software mobile application from Google Play store



For options, prices and more information, visit [www.rohde-schwarz.com](http://www.rohde-schwarz.com)

## Compact, rugged housing

R&S®NRP power sensors are built to last. The durable mechanical build is housed in an industry grade compound with dark blue rubber ruggingizing.



## Easy to use

Get started without even having to consult a manual: The most important RF relevant data is clearly stated on the sensor product label.

Color-coded connector type

Fastening torque

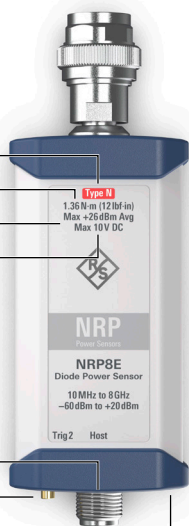
Maximum RF power

Maximum DC voltage

Host interface compatible with  
R&S®NRP-ZKx digital cables

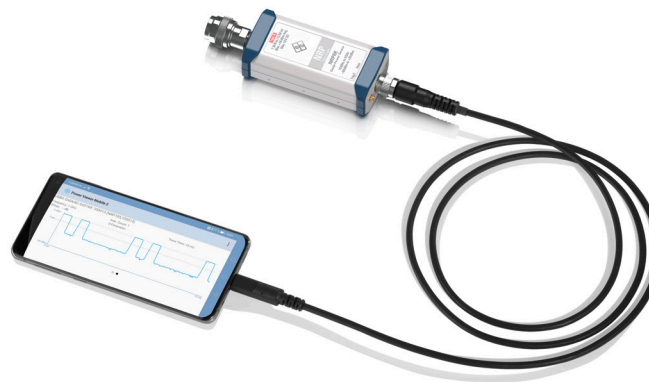
Trigger I/O

RGB status LED



## Mobile connectivity

Taking reliable RF power measurements is just as simple as taking a photo. The free mobile app is available on the Google Play store.



## Base unit compatibility

The R&S®NRP8E and R&S®NRP18E can be operated with the R&S®NRX power meter, but also with other Rohde&Schwarz T&M instruments, PCs or mobile phones.



## Ordering information

Designation	Type
<b>Step 1: Choose your frequency range</b>	
8 GHz model	R&S®NRP8E
18 GHz model	R&S®NRP18E
<b>Step 2: Choose your accessories</b>	
Sensor cable, USB-A	R&S®NRP-ZKU
Sensor cable, USB-C	R&S®NRP-ZKC
Sensor cable for Rohde&Schwarz T&M devices	R&S®NRP-ZK6
Sensor cable for R&S®NRX power meter	R&S®NRP-ZK8
<b>Step 3: Choose a base unit (optional)</b>	
Power meter	R&S®NRX

## Rohde & Schwarz GmbH & Co. KG

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R&S®NRPx RF power sensors

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