

R&S®NRP-Z211/-Z221 Two-Path Diode Power Sensor Get accurate results faster



Get accurate results faster

The R&S®NRP-Z211/-Z221 two-path diode power sensors combine all key characteristics relevant for their use in production. They are cost-effective, fast, precise and USBcapable, offering the best price/performance ratio in their class.

- ► Innovative two-path diode power sensor with enhanced interrange performance
- ▶ 80 dB dynamic range for CW and modulated signals
- ► Automatic burst detection and acquisition
- ► Low sensitivity to harmonics

The perfect choice for

Base stations and mobile equipment Frequency range 10 MHz to 8 or 18 GHz Measurement range -60 dBm to +20 dBm (1 nW to 100 mW) Speed 1,500 measurements/s Available measurement functions continuous average mode, trace mode, trace mode, timeslot/time gate mode, burst average mode		Key specifications				
Measurement range -60 dBm to +20 dBm (1 nW to 100 mW) Speed 1,500 measurements/s Available measurement continuous average mode, trace mode, timeslot/time gate mode, burst average mode	Base stations and mobile equipment	Frequency range	10 MHz to 8 or 18 GHz			
Calibration Available continuous average mode, trace m		Measurement range				
measurement timeslot/time gate mode burst average mode		Speed	1,500 measurements/s			
	Calibration	measurement	0			

Your benefit	Features
USB sensors with no compromises	The R&S®NRP-Zxx power sensors are USB sensors that can be used standalone and have no downside in terms of versatility, accuracy and functionality
Highest accuracy	R&S®Smart Sensor technology
Fastest time to accurate measurements	 Widest measurement range Lowest noise floor Fastest measurements



Multiple ways to operate R&S®NRP-Z211/-Z221 power sensors



The power sensors can be operated either on an R&S®NRP2 base unit or directly on a laptop/PC. They are also supported by numerous Rohde & Schwarz signal generators, signal analyzers, spectrum analyzers and network analyzers. The R&S®NRP-Z4 passive USB adapter cable is all that is needed to connect the sensors to a laptop/PC.

The R&S[®]NRP-Z5 sensor hub allows you to connect up to four sensors to a laptop/PC without additional adapters and to simultaneously start the measurements using an external trigger signal.

Ordering information	
Base units	
2-path diode power sensor 10 MHz to 8 GHz	R&S®NRP-Z211
2-path diode power sensor 10 MHz to 18 GHz	R&S®NRP-Z221
Accessories	
USB adapter cable (passive)	R&S®NRP-Z4
USB adapter cable (active)	R&S®NRP-Z3
R&S®NRPV license for one sensor	R&S®NRPZ-K1
Sensor hub	R&S®NRP-Z5

For higher frequencies and other power measurement ranges, please contact your local Rohde & Schwarz partner.

R&S®NRPV: convenient power measurements via PC application

In combination with the R&S®NRPV virtual power meter software, the USB capability of the R&S®NRP-Z211/-Z221 power sensors can be ideally utilized. The software covers all sensor functions and supports up to four sensors connected to a laptop/PC via the R&S®NRP-Z3/-Z4 USB adapter cables or the R&S®NRP-Z5 sensor hub. The sensors are automatically detected when plugged in and added to all open measurement windows (hot plugging).

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Pulse delay measurement on different traces.



Measurement of eight timeslots in one shot with the R&S®NRPV.



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Rohde & Schwarz Representative



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