

R&S®NRP8E VERSUS KEYSIGHT U2001A

Comparison of power sensors



R&S®NRP8E diode power sensor

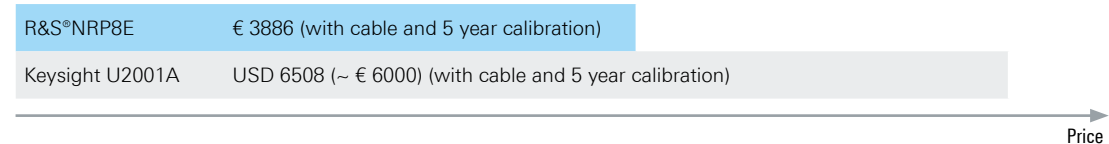
Reliable power measurements at an affordable price

When compared head-to-head with the Keysight U2001A, the R&S®NRP8E diode power sensor has unbeatable advantages. The R&S®NRP8E power sensor offers better digital connectivity and has a lower total cost of ownership (TCO) thanks to the complimentary software package with enhanced functionality and no additional expenses. On the RF side, the R&S®NRP8E power sensor has a higher maximum frequency and wider video bandwidth. The instrument also provides precise and accurate measurements at all times with great RF properties.

Your benefit	Features of the R&S®NRP8E
Best TCO	<ul style="list-style-type: none"> ▶ Attractive pricing <ul style="list-style-type: none"> - Instrument purchase price - Recalibration service ▶ R&S®Power Viewer Software for PC and mobile included free of charge
Great usability	<ul style="list-style-type: none"> ▶ Easy to connect to a base unit, PC or mobile phone ▶ Start measuring safely without consulting any manual. Most important RF relevant properties and limits are listed right next to RF connector

	R&S®NRP8E	Keysight U2001A
Frequency range	10 MHz to 8 GHz	10 MHz to 6 GHz
Dynamic range	80 dB	80 dB
VSWR	10 MHz to 2.4 GHz: < 1.13, 2.4 GHz to 8.0 GHz: < 1.20	10 MHz to 30 MHz: < 1.21, 30 MHz to 2 GHz: < 1.15, 2 GHz to 14 GHz: < 1.20
Measurement speed	1000/s	1000/s (buffered)
Video bandwidth	100 kHz	40 kHz
Digital connectivity	USB TMC	USB TMC
Measurement function	continuous average, trace, time gate power	average, normal
Ruggedizing	yes	no
Control options	base unit, selected T&M instruments, mobile devices, PC software	base unit, selected T&M instruments

Price comparison



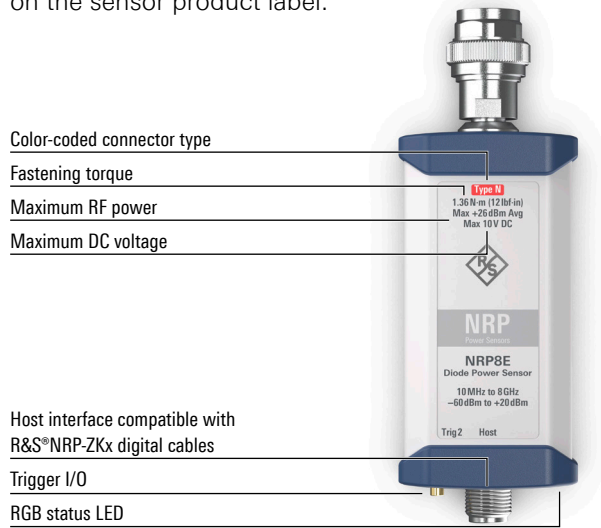
For options, prices and more information, visit
www.rohde-schwarz.com



Easy to use

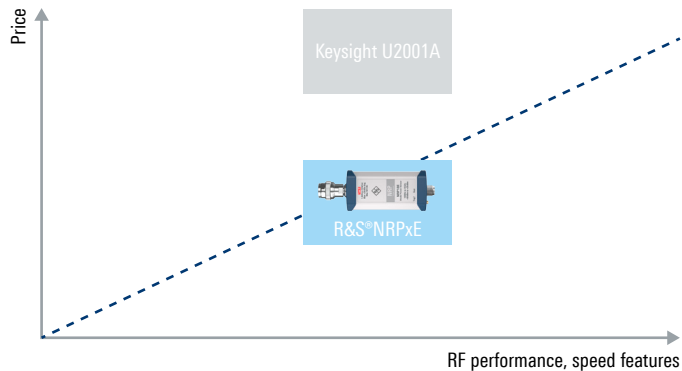
Get started without consulting a manual:

The most important RF relevant data is clearly listed on the sensor product label.



Great performance at an affordable price

R&S®NRPxE power sensors provide best performance at a fraction of the price.



Rohde & Schwarz GmbH & Co. KG

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R&S®NRP8E versus Keysight U2001A

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Data without tolerance limits is not binding | Subject to change

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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 ruggedizing.



Mobile connectivity

Reliable RF power measurements are as simple as taking a photo. Free mobile app available on the Google Play store.

