

# R&S®NRP18E VERSUS KEYSIGHT U2000A

## Comparison of power sensors



R&S®NRP18E diode power sensor

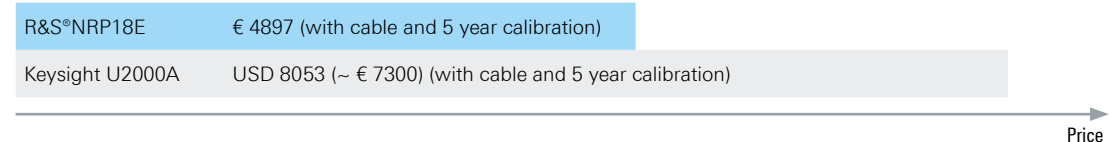
### Reliable power measurements at an affordable price

In a head-to-head comparison with the Keysight U2000A, the R&S®NRP18E diode power sensor stands out with unbeatable advantages. It offers both better digital connectivity and a lower total cost of ownership (TCO) thanks to the free software package with enhanced functions. The R&S®NRP18E boasts wider video bandwidth for precise and accurate measurements at all times thanks to great RF reflection properties.

Your benefit	Features of the R&S®NRP18E
Best TCO	<ul style="list-style-type: none"> <li>▶ Attractive pricing                             <ul style="list-style-type: none"> <li>- Instrument purchase price</li> <li>- Recalibration service</li> </ul> </li> <li>▶ R&amp;S®Power Viewer Software for PC and mobile included free of charge</li> </ul>
Great usability	<ul style="list-style-type: none"> <li>▶ Easy to connect to a base unit, PC or mobile phone</li> <li>▶ Start measuring safely without consulting a manual. The most important RF relevant properties and limits are listed right next to RF connector</li> </ul>

	R&S®NRP18E	Keysight U2000A
Frequency range	10 MHz to 18 GHz	10 MHz to 18 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, 8.0 GHz to 18.0 GHz: < 1.25	10 MHz to 30 MHz: < 1.21, 30 MHz to 2 GHz: < 1.15, 2 GHz to 14 GHz: < 1.20, 14 GHz to 16 GHz: < 1.23, 16 GHz to 18 GHz: < 1.27
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, free PC software	base unit, selected T&M instruments, charged PC software

### Price comparison



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

Color-coded connector type

Fastening torque

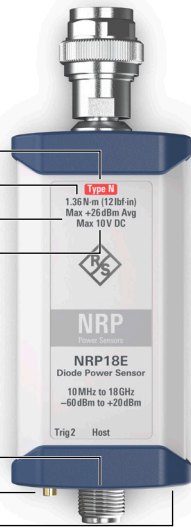
Maximum RF power

Maximum DC voltage

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

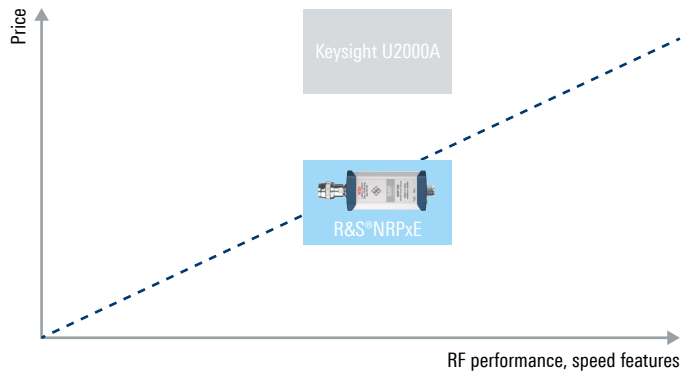
Trigger I/O

RGB status LED



## 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®NRP18E versus Keysight U2000A

PD 3673.1024.32 | Version 01.00 | October 2024 (ja)

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.

