

# R&S® NRPxA & NRPxAN Average Power Sensors Release Notes

**Firmware Version 02.30.21062303**

PAD-T-M: 3574.3288.02/04.00/CI//EN

**ROHDE & SCHWARZ**

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# 1 Information on the current version and history

## 1.1 Version 02.30.21062303

Released: July, 2021

### New functionality

#### Functions

Added SCPI queries for input reflection coefficient:  
SENSe:IGAMma:MAGNitude?,  
SENSe:IGAMma:PHASe?,  
SENSe:IGAMma:EUNCertainty?

Added new commands for trigger synchronization among multiple sensors: TRIGger:SENDER/RECEIVER

### Modified functionality

#### Functions

Web browser based user interface optimized for small devices

### Improvements

#### Improvements

Fixed dead lock in overload state which caused timeout

Fixed missing parameter updates in web browser based user interface

Web browser based user interface which caused immediate sensor error state on first initialization

### Known issues

#### Known Issues

None

## 1.2 Version 02.20.20100904

Released: October, 2020

### New functionality

#### Functions

None

### Modified functionality

#### Functions

Triggered measurements in ContAv mode with positive trigger delay values

### Improvements

#### Improvements

None

### Known issues

#### Known Issues

None

## 1.3 Version 02.10.20051902

Released: June, 2020

### New functionality

#### Functions

None

### Modified functionality

#### Functions

NRX compatible buffered mode

### Improvements

#### Improvements

None

### Known issues

#### Known Issues

None

## 1.4 Version 02.00.20021701

Released: February, 2020

### New functionality

#### Functions

Continuous average measurements in buffered mode can process up to 100000 measurements per second while using internal or external trigger endlessly

NRX base unit can control LAN capable sensors via network protocol.

### Modified functionality

#### Functions

Burst measurement with a burst repetition rate between app. 5s until 9s now triggers for each burst

### Improvements

#### Improvements

Selecting external reference clock reference without clock applied does no longer stop sensor accessibility

### Known issues

#### Known Issues

None

## 1.5 Version 18.06.14.01

Released: July, 2018

### New functionality

#### Functions

Enhanced sensor sanitizing feature

### Modified functionality

#### Functions

None

### Improvements

#### Improvements

None

### Known issues

#### Known Issues

None

## 1.6 Version 17.11.27.03

Released: December, 2017

### New functionality

#### Functions

None

### Modified functionality

#### Functions

\*RCL on a not previously stored parameter set returns no error code

### Improvements

#### Improvements

Continuously opening and closing sensor communication via LAN at a certain point leads to inaccessibility of the sensor

### Known issues

#### Known Issues

None



## 1.7 Version 17.06.28.01

Released: July, 2017

### New functionality

#### Functions

SYSTem:PRESet implemented: Resets all parameters but not INIT:CONT, SENSE:AVERage:TCONtrol and SENSE:TRACe:AVERage:TCONtrol

Trace output provides up to 100000 points instead of 8192  
(Not available in NRP legacy USB mode and via NRP2)

Support of sanitizing according to "Manual for the Certification and Accreditation of Classified Systems under the NISPOm"

Remote control is provided for LED blinking sequence in addition to LED color

### Modified functionality

#### Functions

None

### Improvements

#### Improvements

Averaging with single triggered measurements now works reliable also with moving filter setting (SENSe:AVERage:TCONtrol)

Sensor instability fixed when using the integrated web interface in parallel to a Visa viLock

### Known issues

#### Known Issues

None

## 1.8 Version 16.05.13.02

Released: May, 2016

### New functionality

#### Functions

None

### Modified functionality

#### Functions

Trigger delay support for continuous average mode

### Improvements

#### Improvements

Solved false reporting of errors that have been already cleared

Critical measurement speed issue solved

### Known issues

#### Known Issues

None

## 1.9 Version 16.03.22.01

Released: March, 2016

### New functionality

#### Functions

LAN Sensor web interface: Improved compatibility with Internet Explorer

### Modified functionality

#### Functions

Auto trigger indication is now reset safely when resetting or aborting measurements

### Improvements

#### Improvements

Fixed result error when using moving average and fast mode together

Detection of sensor plug location works correctly on SMW and SMBV signal generators

### Known issues

#### Known Issues

Trigger delay is not supported for continuous average mode

## 2 Modifications to the documentation

The current documentation is up-to-date.

## 3 Firmware update

### 3.1 Update information

Please refer to the document "R&S®NRPxxA(N) Power Sensors User Manual" (<https://www.rohde-schwarz.com/manual/nrp-a-an>).

## 4 Customer support

### Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz product, contact our customer support center. A team of highly qualified engineers provides support and works with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz products.

### Contact information

Contact our customer support center at [www.rohde-schwarz.com/support](http://www.rohde-schwarz.com/support) or follow this QR code:



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