

# R&S® NRPxT & NRPxTN Thermal Power Sensors Release Notes

**Firmware Version 02.30.21062301**

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 02.30.21062301

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

### Known issues

#### Known Issues

None

## 1.2 Version 02.20.20100903

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 02.10.20052701

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

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

### Modified functionality

#### Functions

None

### 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 17.11.27.01

Released: January, 2018

### 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 16.08.19.01

Released: August, 2016

### New functionality

#### Functions

None

### Modified functionality

#### Functions

Sensor frequency boundaries disallow negative values

### Improvements

#### Improvements

LAN Sensor web client, link issue to product page solved

50 kHz measurement issue solved

### Known issues

#### Known Issues

None

## 1.9 Version 16.04.29.02

Released: May, 2016

### New functionality

#### Functions

SCPI output data format according SCPI-99

### Modified functionality

#### Functions

LAN Sensor web interface: Improved compatibility with Internet Explorer

### Improvements

#### Improvements

LAN Sensor web interface, error indication when loading web client in to web browser

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

False overload notification when plugging a sensor to NRP2

Sensor Sanitizing feature inconsistent behavior

Sporadic fails on continue measurement after abort command

### Known issues

#### Known Issues

None

## 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®NRPxxT(N) Power Sensors User Manual" (<https://www.rohde-schwarz.com/manual/nrp-t-tn>).

## 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:



Bild 4-1: QR code to the Rohde & Schwarz support page