Wireless climate sensor with Novasina nSens precision sensor and display (DLT-d-nSens)



- Accurate wireless temperature measurement

wirelessvalue

- Battery life of over 6 years
- Compatible with all Wireless Value Base Stations
- Transmission range of 1,600 metres (clear line of sight)
- E-ink display for reading the measurement value directly on the sensor

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Description

DLT-d-nSens

To measure temperature and relative humidity (RH), the Wireless Value DLT-nSens is the most accurate in the range. This sensor uses electrolytic measurement technology from the Swiss company Novasina, making it possible to measure relative humidity to an accuracy of 0.5% RH. The calibration data is stored in the measurement probe, which can be swapped or disconnected for calibration if required. Communication with the Base Station takes place on the licence-free 868 MHz frequency band, enabling long distances to be covered reliably. The sensor's large internal storage ensures that no data is lost if the connection to the Base Station is interrupted for any reason. The measurement results from this sensor can then be used for monitoring and analysis in the Online Portal.

The housing features an E-ink display, so you can read the latest measurement value directly on the sensor itself. Press the button to refresh the display.

- Memory for storing 10,000 measurements
- Adjustable measurement interval
- Attractive IP65 ABS enclosure
- Suitable for wall mounting
- Existing system can easily be expanded with additional sensors

- Battery replaceable by user
- Unique network ID to avoid interference with other wireless systems

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Specifications

General

Battery type	AA
Casing	IP65
Colour	Matte black
Battery life	Over 6 years
Model	Wireless module with display and Novasina HT-EIS sensor

Measurement range

Temperature	-20 °C to +80 °C
Relative humidity	0 % - 100 %
Operating limits	-20 °C to +80 °C
Signal range	1,600 metres in clear line of sight

Measurement accuracy

Temperature	± 0.1 °C from 0 °C to 60 °C, otherwise ± 0.2 °C
Relative humidity	15 to 30°C typical +/- 0.4% RH. 0 to 50°C typical +/- 0.8% RH. -20 to 80°C typical +/- 1.2% RH

Measurement resolution

Temperature	0.1
Relative humidity	0.1

Legislation and standards

RED (Radio Equipment Directive)	yes
CE	yes
EN 300 220	yes

Technical specifications

Battery voltage	3.6
IP rating	IP54
Memory	10,000 measurements

Dimensions

Housing dimensions	105 (l) x 70 (w) x 34 (h) mm excl. sensor
Sensor dimensions	110 mm, 13 mm diameter
Weight	95 g (excluding battery)