Wireless climate sensor with Novasina nSens precision sensor (DLT-nSens)



- Accurate wireless temperature measurement

wirelessvalue

- Battery life of over 6 years
- Compatible with all Wireless Value Base Stations
- Transmission range 1,600 metres (clear line of sight)

Wireless climate sensor with Novasina nSens precision sensor (DLT-nSens)



Description

DLT-nSens

The Wireless Value DLT-nSens is the most accurate sensor in the range for measuring temperature and relative humidity (RH). It uses electrolytic measurement technology from the Swiss manufacturer Novasina, enabling relative humidity measurement accurate to 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 reliable coverage over long distances. The sensor's large internal storage ensures no data is lost if the connection to the Base Station is interrupted for any reason. The measurement results can then be used for monitoring and analysis in the Online Portal.

- Memory to store 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

Wireless climate sensor with Novasina nSens precision sensor (DLT-nSens)

DLT-nSens

Specifications

General

Battery type	AA
Casing	IP65
Colour	Matte black
Battery life	over 6 years
Model	Wireless module with 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 meters with clear line of sight

Measurement accuracy

Temperature	± 0.1 °C from 0 °C to 60 °C, otherwise ± 0.2 °C
Relative humidity	15°C to 30°C typical +/- 0.4% RH. 0°C to 50°C typical +/- 0.8% RH. -20°C 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	IP65
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)