



# High accurate wireless transport climate sensor

Using an e-ink display and a button, this sensor is ideal for monitoring the ambient temperature during transport. The temperature is continuously readable on an energy-efficient display. By pressing the button at the start and end of transport, markers appear in the graph, making the transport easily visible for analysis. For measuring temperature and relative humidity (RH), this sensor is the most accurate in the range. For measurement, this sensor uses electrolytic measurement technology from Swiss company Novasina. This makes it possible to measure humidity to an accuracy of 0.5% RH. The calibration data are contained in the measuring probe and it can be exchanged or disconnected for calibration if required.

The large internal storage of this sensor ensures that no data is lost, should the connection to the Base Station be lost for any reason. In the Online Portal, the measurement results from this sensor can then be used for monitoring and analysis.

## Features

- Accurate wireless measurement of temperature and relative humidity
- Battery life up to 10 years
- Equipped with e-ink display and programmable button for start and end time transport
- Complatible with all Wireless Value Base Stations
- Transmission range 1,000 metres (unobstructed line of sight)

## Applications

- Transport monitoring
- Climate monitoring
- Pharma & Lab

## Specifications

- Ability to buffer 10,000 measurements
- Programmable measuring interval
- Attractive ABS enclosure
- Wall-mountable
- Easy to add sensors to operational system
- User-replaceable battery
- Unique network ID to avoid interference with other wireless systems

## Sensor values are sent by the paired Base Station to:

- Wireless Value Online Portal (LAN or mobile carrier)
- Wireless Value Online Portal (On premises)
- MODBUS network (IP or RS485)
- SensorGraph via serial interface or LAN

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## Technical specifications

<b>Model</b>	wireless module with measurement probe of Novasina
<b>Type</b>	temperature and relative humidity
<b>Sensortype</b>	<b>exchangeable measuring probe</b> , digital
<b>Measurement range</b>	
<b>Temperature</b>	-20 °C to +80 °C
<b>Humidity</b>	0 % - 100 %
<b>Measurement accuracy</b>	
<b>Temperature</b>	± 0,1 °C from 0 °C tot 60 °C, otherwise ± 0,2 °C
<b>Humidity</b>	0,5 % RH from 0 to 80 % RH; otherwise ± 2 % RH
<b>Measurement resolution</b>	
<b>Temperature</b>	0,1
<b>Humidity</b>	0,1
<b>Measurement interval</b>	Configurable between 1 second and 255 minutes, default 2 minutes
<b>Operating limits</b>	-20 °C to +80 °C
<b>Power supply</b>	1 AA 3,6 V lithium battery
<b>Battery lifetime</b>	up to 5 years with a sample interval of 5 minutes
<b>Memory</b>	10.000 measurements
<b>Radionorm</b>	EN 300 220
<b>Frequency</b>	868 - 870 MHz
<b>Legislation</b>	RED, CE
<b>Range</b>	1.000 meter free line of sight
<b>Housing class</b>	IP65
<b>Color</b>	matt black
<b>Dimensions</b>	105 (l) x 70 (w) x 34 (h) mm, excl. sensor & wall mount
<b>Weight</b>	93 g (excluding battery & novasina sensor)
<b>Configuration</b>	SensorGraph or Wireless Value Online Portal
<b>Order options</b>	
<b>Housing options</b>	no
<b>External antenna</b>	no
<b>Pressure relief</b>	no
<b>External power supply</b>	no

