



# Wireless climate transport module

Using an e-ink display and a button, this sensor is ideal for monitoring temperature and relative humidity during transport. Both values are 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. Communication with the Base Station takes place over the licence-free 868 MHz frequency band; this allows long distances to be covered reliably. The large internal storage of this sensor ensures that no data is lost during transport. Once the sensor is within range of the Base Station again, the data are immediately transferred. In the Online Portal, the measurement results 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
- Compatible 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

# Wireless climate transport sensor

## Technical specifications

<b>Model</b>	wireless module with integrated sensor, e-ink display and programmable button
<b>Type</b>	temperature and relative humidity
<b>Sensortype</b>	integrated, digital
<b>Measurement range</b>	
<b>Temperature</b>	-20 °C to +80 °C
<b>Relative humidity</b>	0 % - 100 %
<b>Measurement accuracy</b>	
<b>Temperature</b>	± 0,3 °C from -20 °C to 80 °C
<b>Relative humidity</b>	± 3 % RV from 0 to 80 % RH; otherwise ± 3,5 % RH (at 25°C and 1m/s airflow)
<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. wall mount
<b>Weight</b>	95 g (excluding battery)
<b>Configuration</b>	SensorGraph or Wireless Value Online Portal
<b>Ordering options</b>	
<b>Housing options</b>	no
<b>External antenna</b>	no
<b>Pressure relief</b>	no
<b>External power supply</b>	no

