



Wireless climate sensor

The Wireless Value DLTc measures temperature and relative humidity of the environment. Thanks to its unique design, the DLTc is splash-proof (IP65) so the sensor element cannot be affected by moisture. Measurement results are transmitted wirelessly to the Base Station where the data can be used for monitoring and analysis.

Features

- Accurate and wireless sensing
- Battery life up to 10 year
- Compatible with all WiSensys Base Stations
- 1.000 metre range (line of sight)

Applications

- Agriculture
- Climate monitoring
- Pharma & Lab
- Industrial

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 of mobile provider)
- Wireless Value Online Portal (on premises)
- Modbus-network (IP or RS485)
- SensorGraph via serial interface or LAN

Model	wireless module with integrated sensor
Type	temperature, relative humidity
Sensortype	integrated, digital
Measurement range	
Temperature	-20 °C to +80 °C
Relative humidity	0 % - 100 %
Measurement accuracy	
Temperature	± 0,3 °C from -20 °C to 80 °C
Relative humidity	± 3 % RV from 0 tot 80 % RH; otherwise ± 3,5 % RH (at 25°C and 1m/s airflow)
Measurement resolution	
Temperature	0,1
Humidity	0,1
Measurement interval	Configurable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power supply	1 AA 3,6 V lithium battery
Battery lifetime	up to 10 years with a sample interval of 5 minutes
Memory	10.000 measurements
Radionorm	EN 300 220
Frequency	868 - 870 MHz
Legislation	RED, CE
Range	1.000 meter free line of sight
Housing class	IP65
Color	matt black
Dimensions	105 (l) x 70 (w) x 34 (h) mm excl. gland & wall mount
Weight	93 g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Ordering options	
Housing options	no
External antenna	no
Pressure relief	no
External power supply	no

