



Wireless indoor comfort sensor

The Wireless Value DLCco measures temperature, relative humidity, CO2, light intensity (Lux) and motion. Thanks to its unique design, this sensor can measure 5 readings with a battery life up to 10 years. Measurement results are transmitted wirelessly to the Base Station where the data can be used for monitoring and analysis.

Features

- Accurate wireless multidetection
- Battery life up to 10 years
- Compatible with all Wireless Value Base Stations
- Transmission range 1,000 metres (free line of sight)

Applications

- Monitoring of indoor climate
- CO2 monitoring

Specifications

- Memory for storing of 10,000 measurements
- Adjustable measuring interval
- Attractive ABS housing
- Suitable for wall mounting
- Existing system easily expandable with additional sensors
- Battery replaceable by user
- Unique network ID to avoid interference with other wireless systems

The connected Base Station sends the sensor values 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)

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Technical specifications

Model	wireless module with integrated sensors
Type	temperature, relative humidity, CO ₂ , light and movement
Sensortype	integrated, digital
Measuring range	
Temperature	-20 °C tot +80 °C (zie bedrijfsgrenzen)
Relative humidity	0 % - 100 %
CO₂	0 ppm to 10.000 ppm (validated on 2.000 ppm)
Lux	0 - 83.000
Movement	0/1
Measuring accuracy	
Temperature	± 0,3 °C from -20 °C to 80 °C
Relative humidity	± 3 % RV from 0 to 80 % RH; otherwise ± 3,5 % RH (at 25°C and 1m/s airflow)
CO₂	± 50 ppm, ± 3% of the measured value
Lux	2% at > 40 lux; 5% at < 40 lux
Movement	0/1
Measurement resolution	
Temperature	0,1
Relative humidity	0,1
CO₂	1
Lux	0,01 lux
Movement	1
Measuring interval	adjustable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power supply	1 AA 3,6 V lithiumbatterij
Battery lifetime	up to 10 years at a measurement 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	IPO0
Color	matt black, with optional accent colour
Dimensions	175 (l) x 80 (w) x 33 (h) mm
Weight	150 g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Order options	
Housing options	no
External antenne	no
Pressure relief	no
External power supply	no

