



# Wireless CO<sub>2</sub> climate sensor

The Wireless Value DLCcl measures temperature, relative humidity and CO<sub>2</sub>. Thanks to its unique design, this sensor can measure 3 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

- Indoor climate monitoring
- CO<sub>2</sub> monitoring
- Pharma & Lab

## 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 mobileprovider)
- 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 model with integrated sensors

**Type** temperature, relative humidity, CO<sub>2</sub>

**Sensortype** integrated, digital

### Measuring range

**Temperature** -20 °C to +80 °C

**Relative humidity** 0% - 100%

**CO<sub>2</sub>** 0 ppm to 10.000 ppm (validated on 2.000 ppm)

### Measuring accuracy

**Temperature** ± 0,3 °C from -20 °C to 80 °C

**Relative humidity** ± 3 % RH of 0 to 80 % RH; otherwise ± 3,5 % RH (at 25°C and 1m/s airflow)

**CO<sub>2</sub>** ± 50 ppm, ± 3% of the measured value

### Measurement resolution

**Temperature** 0,1

**Relative humidity** 0.1

**CO<sub>2</sub>** 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 lithiumbattery

**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** IP00

**Color** matt black, with optional accent colour

**Dimensions** 175 (l) x 80 (w) x 33 (d) mm

**Weight** 150 g (excluding batterij)

**Configuration** SensorGraph or Wireless Value Online Portal

### Order options

**Housing options** no

**External antenne** no

**Pressure relief** no

**External power supply** no

