Wireless CO₂ climate sensor

The Wireless Value DLCcl measures temperature, relative humidity and CO₂. Its unique design allows this sensor to measure 3 values with a battery life of over 4 years. Measurement results are transmitted wirelessly to the base station where the data can be used for monitoring and analysis.

Features

- Accurate wireless multi-measurement
- Battery life of almost 5 years
- Compatible with all Wireless Value base stations
- Transmission range 1,000 metres (unobstructed line of sight)

Applications

- Indoor climate monitoring
- Monitoring of CO₂ values

Specifications

- Memory to store 10,000 measurements
- Adjustable measurement interval
- Attractive ABS enclosure
- Suitable for wall mounting
- Existing system can be easily expanded with additional sensors
- Battery replaceable by user

The connected base station sends the sensor values to:

- Wirelessvalue.online (LAN or mobile provider)
- Wirelessvalue.online (for direct connection to climate computer)

wirelessvalue

Model	wireless module with built-in sensors
Type	temperature, relative humidity, CO2
Sensor type	integrated, digital
Measurement range	
Temperature	-20°C to +80°C (see operating limits)
Relative humidity	0% - 100%
CO₂	0 ppm to 10,000 ppm (validated at 2,000 ppm)
Measurement accuracy	
Temperature	± 0.1°C from 0°C to 60°C, otherwise ± 0.2°C
Relative humidity	± 1.5% RH from 0 to 80% RH; otherwise ± 2% RH
CO₂	± 50 ppm, ± 3% of the measured value
Measurement resolution	
Temperature	0.1
Relative humidity	0.1
CO₂	± 50 ppm, ± 3% of the measured value
Measurement interval (M)	adjustable between 1 second and 255 minutes, standard 2 minutes
Operating limits	-20°C to +80°C
Power supply	1 AA 3.6 V lithium battery
Battery life	up to 5 years at default setting for M
Memory	10,000 measurements
Radio standard	EN 300 220
Frequency	868 - 870 MHz (915 MHz where applicable)
Range	1,000 m with unobstructed line of sight
Enclosure	IP00
Colour	matte black, with optional accent colour
Dimensions	80 (w) x 175 (h) x 33 (d) mm
Weight	150 g (excluding battery)
Configuration	SensorGraph or Wirelessvalue.online
Legislation	R&TTE, CE