

Comfort Sensor - NB-IoT



- Easy installation
- CO₂ Sensor
- Temperature Sensor
- Humidity Sensor
- Presence Detection
- Battery powered

A healthy environment becomes more and more important.

To know how healthy a given area is you need to measure.

The Comfort Sensor is able to measure this by using several internal sensors.

Communication of the data to the cloud using NB-IoT. The interval of communication and other settings can be set using NFC



Specifications

Power supply	: 1x or 2x 3.6v AA Lithium batteries
Communication	: NB-IoT
LTE Bands	: 3, 5, 8, 20, 28
SIM Card format	: Nano (4FF)
Protocol	: UDP
Configuration	: NFC
Battery life	: 2 year (depending on data interval)
Dimensions	: 88x88x25mm
Color / Material	: white / ABS

Temperature sensor

Accuracy tolerance : $\pm 0,2^{\circ}\text{C}$ @ 0-65°C

Humidity sensor

Accuracy tolerance : $\pm 2\%$ @ 10-90%

CO₂ sensor (NDIR) - professional

Measurement range : 400 - 5000ppm
 Accuracy : $\pm 30\text{ppm} + 3\%$ of reading
 Calibration : Automatic Baseline Correction (ABC)

CO₂ sensor (NDIR) - economic

Measurement range : 400 - 5000ppm
 Accuracy : $\pm 50\text{ppm} + 5\%$ of reading
 Calibration : Automatic Baseline Correction (ABC)

Presence sensor

Detection range : 5m

Available variations		Temperature rel. Humidity	Presence	CO ₂ Professional	CO ₂ Economic
IB014-003.00	Comfort Sensor	✓			
IB014-004.00	Comfort Sensor Presence	✓	✓		
IB014-005.00	Comfort Sensor CO ₂ NP - Professional	✓		✓	
IB014-005.01	Comfort Sensor CO ₂ NP - Economic	✓			✓
IB014-001.00	Comfort Sensor CO ₂ - Professional	✓	✓	✓	
IB014-001.01	Comfort Sensor CO ₂ - Economic	✓	✓		✓