

Comfort Sensor - LoRaWAN



- 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 LoRaWAN.

The interval of communication and other settings can be set using NFC



Specifications

Power supply	: 1x or 2x 3.6v AA Lithium batteries
Communication	: LoRaWAN Class A
Regions	: EU868, US915, AS923, AU915
Configuration	: NFC
Battery life	: 2 year (depending on data interval)
Dimensions	: 88x88x25mm
Color / Material	: white / ABS

Temperature sensor

Accuracy tolerance : ± 0,2°C @ 0-65°C

Humidity sensor

Accuracy tolerance : ±2% @ 10-90%

CO₂ sensor (NDIR) - professional

Measurement range : 400 - 5000ppm

Accuracy : ± 30ppm + 3% of reading

Calibration : Automatic Baseline Correction (ABC)

CO₂ sensor (NDIR) - economic

Measurement range : 400 - 5000ppm

Accuracy : ± 50ppm + 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
IB013-002.00	Comfort Sensor	✓			
IB013-003.00	Comfort Sensor Presence	✓	✓		
IB013-009.00	Comfort Sensor CO ₂ NP - Professional	✓		✓	
IB013-010.00	Comfort Sensor CO ₂ NP - Economic	✓			✓
IB013-001.00	Comfort Sensor CO ₂ - Professional	✓	✓	✓	
IB013-004.00	Comfort Sensor CO ₂ - Economic	✓	✓		✓