

Connected MultiSense



Monitors all essential parameters for optimum efficiency and flexibility.

This wireless device monitors temperature, humidity, CO2, Particulate Matter (PM), and Total Volatile Organic Compounds (TVOC) simultaneously. The compact, configurable multi-sensor supports dual-mode connectivity for LoRaWAN and Sigfox 0G and includes a 5-year warranty.

Providing all data types essential for Smart Building certifications and simple integration make this maintenance free device ideal for deployments at scale across multiple properties and regions.

Temperature (0-60C)

CO2 (400-500ppm)

Humidity (0-95%)

TVOC (0 - 60,000ppb)

Particulate Matter 1.0, 2.5, 10 (0-1000 µg/m3)

- » Multiple Sensors in one device.
- » Maintenance free (set & forget).
- » Powered by USB-C with battery backup
- » Versatile and remotely configurable for measurements, screen updates and message intervals.
- » Easy API-enabled integration with any cloud service
- » Multi-zone communication with data sent every 30-min (configurable).
- » LED indicator alerts when air quality thresholds are reached.
- » Two versions: With or without big e-ink screen with optional table stand.
- » Centralised data and device management.
- » Simple, disruption-free installation (no expert skills required).
- » Easy data access through APIs and optional dashboard.



ConnectedInventions

Engineered in Finland.



Technical Specifications | Connected MultiSense

CONNECTIVITY

Dual mode radio: Device dual mode radio works in both Sigfox0G and LoRaWAN mode and the radio mode can be selected by a switch

Supported radio zones: RC1 + EU868, RC2 + US915, RC4 + AS923-1, RC4 + AS923-2, RC4 + AU915

SENSORS & ACCURACY

Temperature Accuracy: +/-0.2C (between 0...60°C)
Humidity Accuracy: RH +/-2% (between 10...90%)
CO2 Accuracy: +/-40ppm +5%
TVOC Accuracy: 15% (Typical)
PM Accuracy: +/-10 µg/m3 (0 to 100 µg/m3), +/-10% (100 to 1000 µg/m3)

MECHANICS / DESIGN

Size: 100 x 129 x 28 mm

Weight: 188g (without batteries)

Casing Material: ABS, indoor use

POWER SUPPLY

USB C Cable included. Wall adapter not included.

Backup batteries 4x AA 1.5V. Lithium batteries recommended. Interchangeable. Not included.

CERTIFICATIONS

Certifications: CE, FCC, UKCA

WARRANTY

Five-year manufacturer's warranty.

CUSTOMISATION

Network mode selection by physical switch, display settings with physical button and other settings with remote configuration.
