



**Indoor Air Quality | Energy Monitoring | Workspace management**

Particulate Matter, Volatile Organic Compounds (VOC), Temperature, Humidity, Atmospheric Pressure, Light, Noise



**PMi** measures the level of particulate matter and continuously monitors air quality to visually alert occupants when it is time to air out to renew the indoor air.

With its multi-parameter measurement sensors, **PMi** is specifically designed to analyze the working environment of your teams.

**PMi** integrates the **iZiAiR** and **iZiFeel** air quality and comfort algorithms to more easily study each indoor environment and quickly identify possible improvements.

Thanks to its wireless communication module, data can be accessed remotely, simply from a smartphone or a computer screen \*.

## PRODUCT BENEFITS

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- Compact and design PM1, PM2.5 and PM10 Fine Particle Sensor
- LED indicator to visualize the air quality level
- Complete set of sensors for a comprehensive analysis of the indoor environment
- Anti-theft fixing device for wall mounting
- Quick and easy installation
- No maintenance required

## APPLICATIONS

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- Monitoring of Indoor Air Quality in tertiary and residential buildings
- Supervision of ambient parameters at work (offices, meeting rooms)

\* Optional subscription fees may apply

# PMi

## FUNCTIONS

- Measurement of Indoor Air Quality
  - o Particulate Matters (PM1, PM2.5 and PM10)
  - o Volatile Organic Compounds (VOC)
- Measurement of ambient parameters
  - o Temperature
  - o Relative humidity
  - o Atmospheric pressure
  - o Light
  - o Noise (average and peak levels)
- Central button
  - o Short press: programmable action
  - o Long press: instant measurement and transmission
- Local (NFC) or remote (downlink) product configuration and diagnostics
- **iZiFeel** confort Index
- **iZiAIR** Indoor Air Quality Index

Display of Indoor Air Quality by indicator light (configurable)



Very good



Average



Warning

## SPECIFICATIONS

### Particulate Matter (PM1 / PM2.5 / PM10)

Resolution: 0.1  $\mu\text{g}/\text{m}^3$

Accuracy:  $\pm 15 \mu\text{g}/\text{m}^3$  or  $\pm 10\%$  of measuring range

Measurement range: 0 – 2000  $\mu\text{g}/\text{m}^3$

### Total Volatile Organic Compounds (VOCs)

Resolution: 1  $\mu\text{g}/\text{m}^3$

Accuracy:  $\pm 25\%$

Measurement range: 0 – 10000  $\mu\text{g}/\text{m}^3$

### Temperature

Resolution: 0.1°C

Accuracy:  $\pm 0.3^\circ\text{C}$

Measurement range:  $-30^\circ\text{C}$  /  $+70^\circ\text{C}$

### Humidity

Resolution: 0.5% R.H.

Accuracy:  $\pm 2\%$  R.H.

Measurement range: 0 - 100% R.H.

### Atmospheric pressure

Resolution: 1 hPa

Accuracy:  $\pm 2.5$  hPa

Measurement range: 300 – 1100 hPa

### Light

Resolution: 5lux

Accuracy:  $\pm 5$ lux

Measurement range: 0 – 1000 lux

### Noise

Resolution: 1dB

Measurement range: 35 – 120dB

### Frequency of measurements

Every 10 minutes (configurable)

### Network pairing / Operation / Indoor Air Quality Indicator

1x RGB LED

### Power supply

Powered by USB type-C (5V<sub>DC</sub> – 1A)

**Dimensions:** 105 x 105 x 30 mm

**Weight:** 120g

### Conditions of use

Indoor environment

Temperature: 0°C to + 50°C

Relative humidity: 0% RH to 95% RH

**Lifetime:** 10 years

### Type of mounting

Wall mounted with anti-theft fixing

Free standing with removable support

### Wireless protocol

LoRaWAN (868 MHz)

*Other wireless protocols studied on request*

## PRODUCT REFERENCE

**PMi (LoRaWAN):** I640LR\_FND\_S

## CONTENTS OF THE BOX

- 1 device
- 1 anti-theft wall bracket
- 1 standalone installation bracket
- 1 AC adapter + 1.80m USB-C cable
- 2 screws and nylon wall plugs
- 3M® double-sided adhesive attachment

## CERTIFICATION

CE