

Indoor Air Quality I Energy Monitoring I 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

- 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

- 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

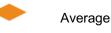
- Measurement of Indoor Air Quality

- Particulate Matters (PM1, PM2.5 and PM10)
- Volatile Organic Compounds (VOC)
- Measurement of ambient parameters
 - Temperature
 - Relative humidity
 - Atmospheric pressure
 - o Light
 - Noise (average and peak levels)
- Central button
 - Short press: programmable action
 - 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



Warning



SPECIFICATIONS

Particulate Matter (PM1 / PM2.5 / PM10)

Resolution: 0.1 μ g/m³ Accuracy: ±15 μ g/m³ or ±10% of measuring range Measurement range: 0 – 2000 μ g/m³

Total Volatile Organic Compounds (VOCs)

Resolution: 1 μ g/m³ Accuracy: ±25% Measurement range: 0 – 10000 μ g/m³

Temperature

Resolution: 0.1°C Accuracy: ±0.3°C Measurement range: -30°C / +70°C

Humidity

Resolution: 0.5% R.H. Accuracy: ±2% R.H. Measurement range: 0 - 100% R.H.

Atmospheric pressure

Resolution: 1 hPa Accuracy: ±2.5 hPa Measurement range: 300 – 1100 hPa

Light Resolution: 5lux Accuracy: ± 5lux 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 $(5V_{DC} - 1A)$

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

nexelec www.nexelec.fr