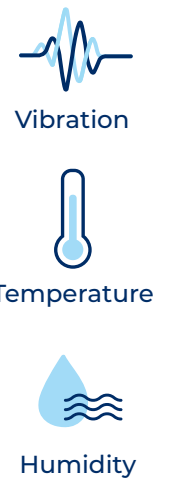
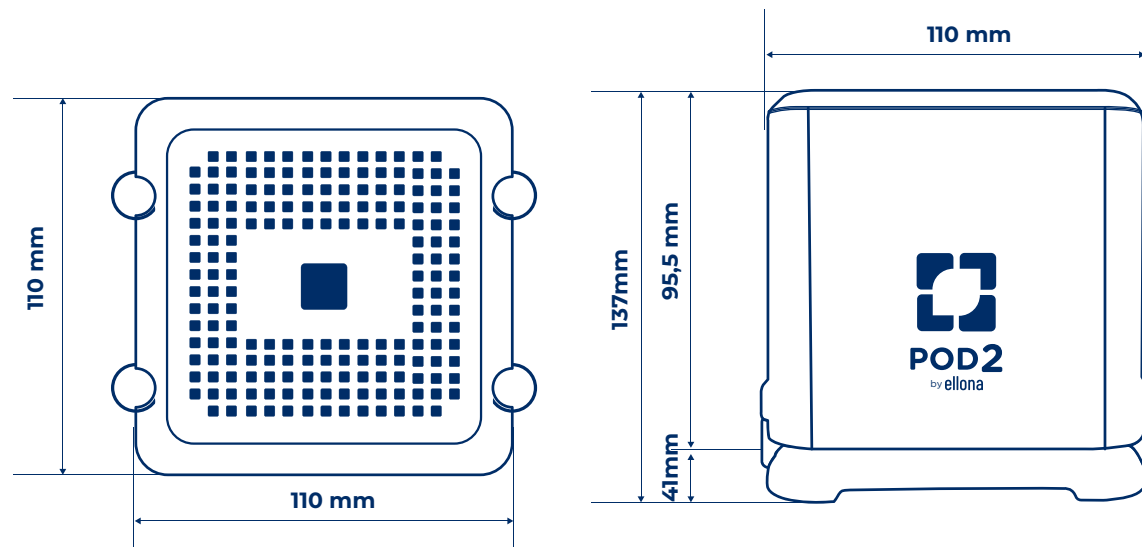


Specifications for inherent features*



POD2

Optimizing indoor environment for health and performance.

Your indoor monitoring for identifying nuisances and pollutants

Size: 11 x 11 x 13.7 cm
Weight: 360 gr
Sampling Time: Adjustable measurement time interval from 10 seconds up to 2 hours.

| Sensor type | Light | Temperature | Humidity | Noise (equivalent level) |
|-------------------|-----------------|--------------|--------------|--------------------------|
| Measurement range | 0 to 10,000 Lux | -40 to +85°C | 0 to 100% RH | 30 to 120 dBA |
| Accuracy | 5 Lux | ±1°C | ±3% RH | 1 dBA |
| Resolution | 1 Lux | 0.1°C | 0.1% RH | 0.1 dBA |
| Life sensor | 3 to 5 years | 3 to 5 years | 3 to 5 years | 3 to 5 years |

| Sensor type | Atmospheric Pressure | Total VOC | Vibration (Level) | CO ₂ équivalent |
|-------------------|----------------------|----------------|--------------------------|----------------------------|
| Measurement range | 300 to 1,100 hPa | 0 to 1,000 ppm | 0 to 40 m/s ² | 400 to 5,000 ppm |
| Accuracy | ±0.6 hPa | 1 ppm | 0.01 m/s ² | ±30 ppm |
| Resolution | 0.1 hPa | 0.1 ppm | 0.005 m/s ² | 1 ppm |
| Life sensor | 3 to 5 years | 3 to 5 years | 3 to 5 years | 3 to 5 years |

Operating temperature: -20°C / +40°C
Operating Humidity: < 100% R.H
Storage Temperature: -5°C / +40°C



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 Tel: + (33) 5 32 10 87 70 - info@ellona.io
 www.ellona.io



* For optional sensors, please contact us

Environmental Intelligence

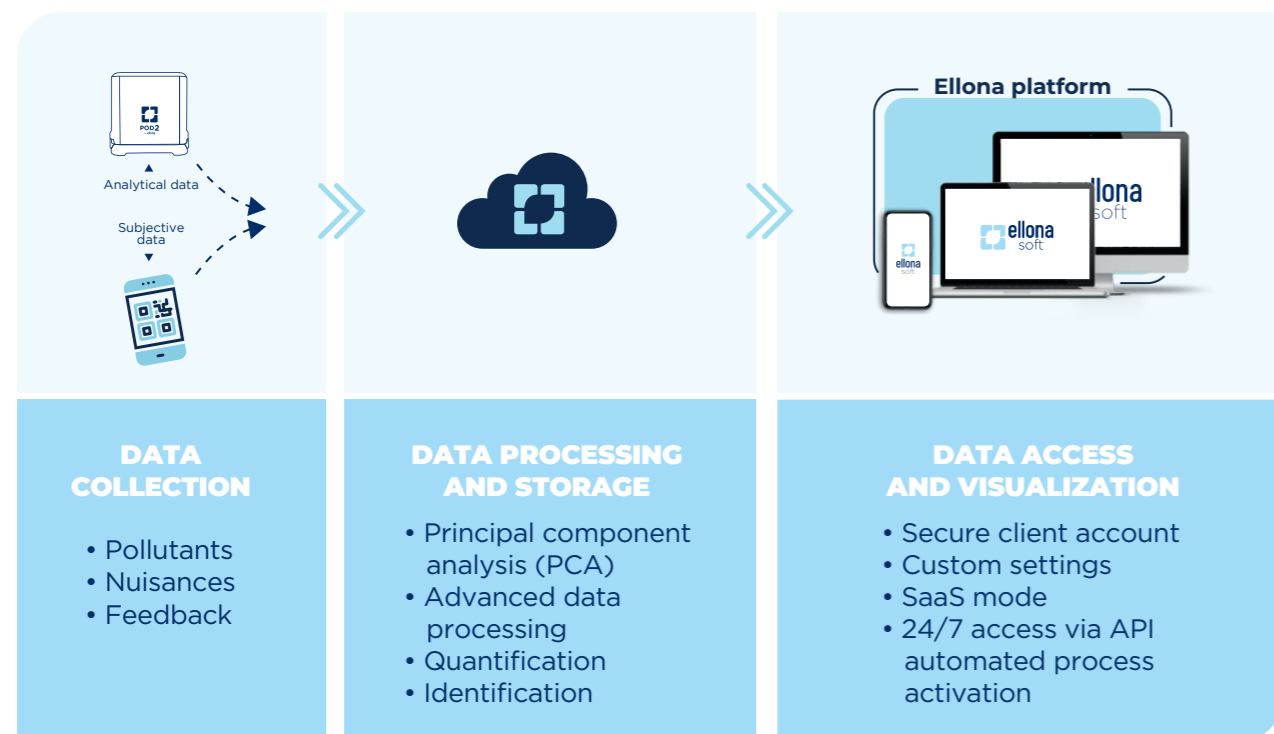
POD2 is a versatile multisensor device designed for comprehensive and continuous data collection, encompassing physical, chemical, and perception metrics.

- **Multisensors device:** it collects data on physical, chemical, and perception factors
 - Native functionalities : temperature, humidity, atmospheric pressure, light, volatile organic compounds (VOC), vibration, noise, equivalent CO₂,
 - Options: particles, odours and up to 5 different gases.
- **Alarm mode:** it monitors all measurement channels with adjustable triggering thresholds.
- **Visual alerts:** it provides information through LED color changes for quick visual feedback.
- **Data security:** it safeguards your information with online data collection and 48-hour storage (in case of communication loss).
- **Software updates:** it ensures your device is always up-to-date with software hosted on secured servers and online update functionality.
- **Versatile connectivity:** it communicates seamlessly through various channels, including WIFI, LoRa (Long Range), LTE-M (3G-4G), and Ethernet.
- **High data frequency:** it captures data at a frequency of one data set every 10 seconds for detailed monitoring.
- **Odour data banks:** it detects and categorizes odours such as musty, solvents, cigarette smoke, sewer, and more.
- **Real-time subjective reporting:** it allows users to report their real-time subjective perceptions of the environment through QR Codes attached to each module.

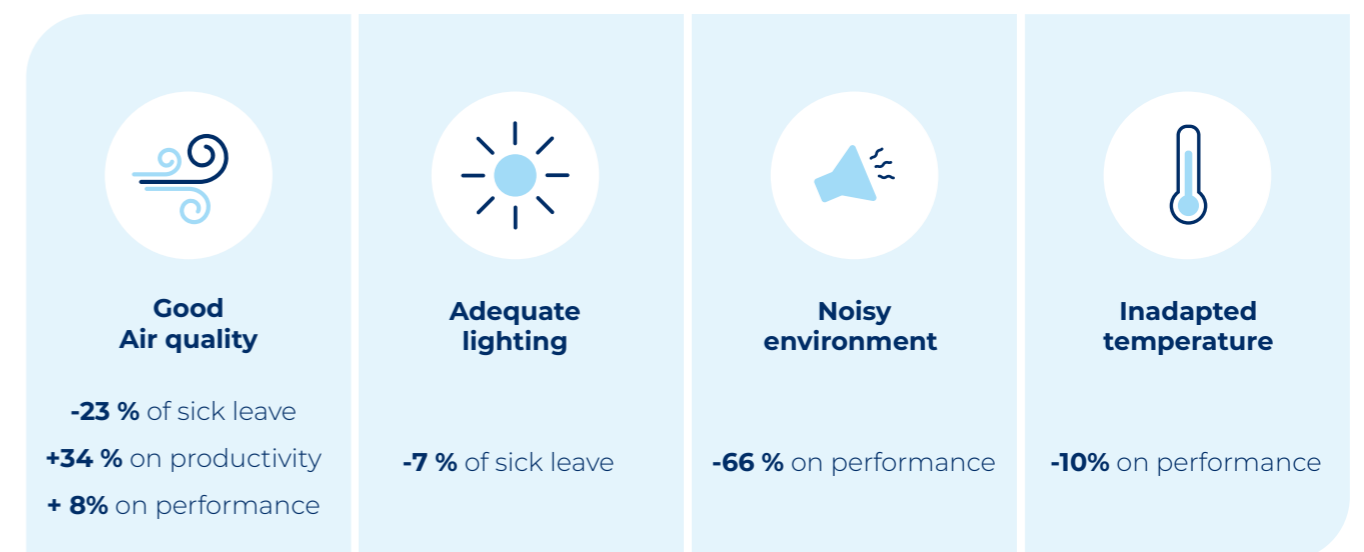
Main areas of application



How it works



Impact of indoor environment quality*



* Source : World Green Building Council 2014 report.