
# RUBIX POD2

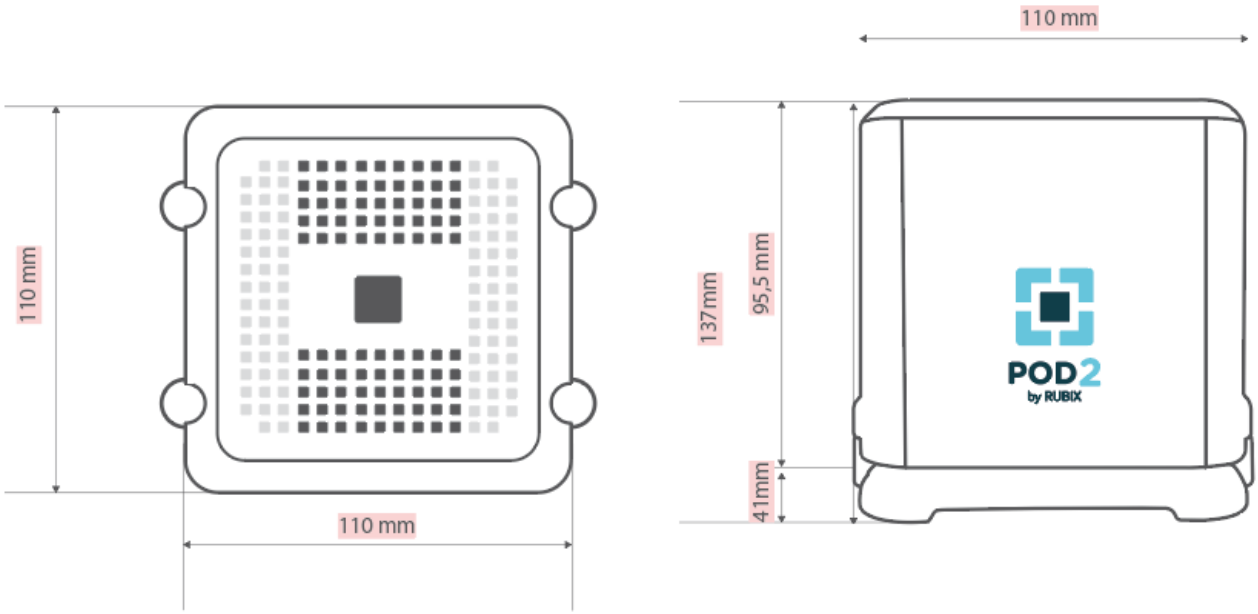
Air Quality · Gas · Odors · Particles · Noise · Light · Vibration · Temperature · Humidity · Pressure

## Health and performance also depend on the quality of indoor environment

Your indoor network for monitoring and identifying sources of nuisances and pollutants.

RUBIX
Senses & Instrumentation

# Technical specifications and options




**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 | Lighting | Temperature | Humidity | Noise |
|---|---|---|---|---|
| **Sensor principle** | Digital converter with hig IR blocking filter | Numeric sensor | Numeric sensor | Digital MEMS microphone |
| **Measuring range** | 0 to 10 000 Lux | -10°C to +40°C | 10 to 100% | 35 to 100 dBA Leq |
| **Accuracy** | + 5% | +0.5°C to +25°C | + 3% | ± 2 dBA Leq |
| **Resolution** | 1 Lux for 0 – 10 000 Lux | 0.1°C | 0.1% | 1 dBA Leq |
| **Sensor Lifetime** | > 5 years | > 5 years | > 5 years | > 5 years |

**Operating temperature:** -10 - +40°C
**Operating Humidity:** < 100% R.H
**Storage Temperature:** -5°C - +40°C

RUBIX
Senses & Instrumentation

## RUBIX POD2's Missions

The RUBIX POD2 collects in real time all the analytical and subjective data needed to identify the sources of nuisances, map the quality of an indoor environment and optimize a building's management.

- 24/7 real time readings of gas concentrations (up to 5 different gases), and volatile organic compounds (VOCs).
- Measurement and identification of odors.
- Identification of particles.
- Intensity and identification of noises.
- Identification of light intensity, light colors and flickers.
- 24/7 readings of: temperature, light, humidity, pressure, and vibration.
- Real-time alerts (configurable thresholds) with notifications (sms, email, etc.).
- Automated process activation (ventilation, light variation, etc.).
- Integrates input from employees and community thanks to the devices' unique QR codes.
- Readings of data by device, by area and by building.

## Main areas of application

Open space offices

Shopping malls

## Impact of indoor environment quality*

**Good air quality:**
**-23%** of sick leave
**+34%** on productivity
**+ 8%** on performances

**Noisy environments:**
**-66%** on performances

** Source : World Green Building Council 2014 report.*

## How it works


### Data collection

- Pollutants
- Nuisances
- Feedback

### Data processing and storage

- Principal component analysis (PCA)
- Advanced data processing
- Quantification
- Identifications

### Data access and visualization

- Secure client account
- Custom settings
- SaaS mode
- 24/7 access via API automated process activation

## Main areas of application

Public buildings

Industrial environments

## Impact of indoor environment quality*

**Adequate lighting:**
**-7%** of sick leave

**Inadapted temperature:**
**-10%** on performances

** Source : World Green Building Council 2014 report.*