



## RUBIX POD 2



Air  
Quality



Gases



Odors



Particles



Noises



Light



Vibration



Temperature

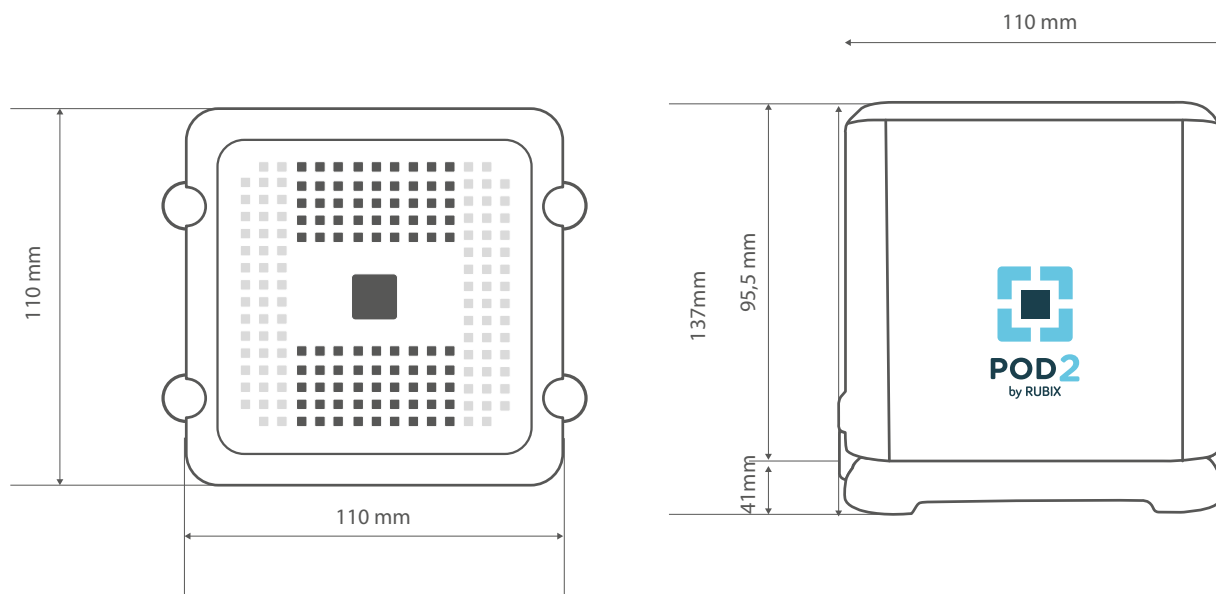


Humidity

Health and performance also depend on the quality of indoor environment

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

# Technical specifications and options



**Size:** 11 x 11 x 13,7 cm

**Weight:** 270 gr

**Sampling Time:** Adjustable measurement time interval from 10 seconds up to 2 hours.

Sensor type	Lighting	Temperature	Humidity	Sound
<b>Sensor principle</b>	Digital converter with IR blocking filter	Numeric sensor	Numeric sensor	Digital Mems microphone
<b>Measurement range</b>	0 to 10 000 Lux	-10°C to +40°C	10 to 100%	35 to 120 dBA Leq
<b>Accuracy</b>	+ 5%	+/- 0.5°C at 25°C	+ 3%	± 2 dBA Leq
<b>Resolution</b>	1 Lux for 0 - 10 000 Lux	0.1°C	1%	1 dBA Leq
<b>Life sensor</b>	> 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 POD Mission

The RUBIX POD collects in real time all the analytical and subjective data allowing an identification of the sources of nuisances, a mapping of the indoor environment quality, and an optimization of buildings 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



Shopping malls

## ➤ Impact of indoor environment quality\*



### Good Air quality :

- -23% of sick leave
- +34% on productivity
- + 8% on performance



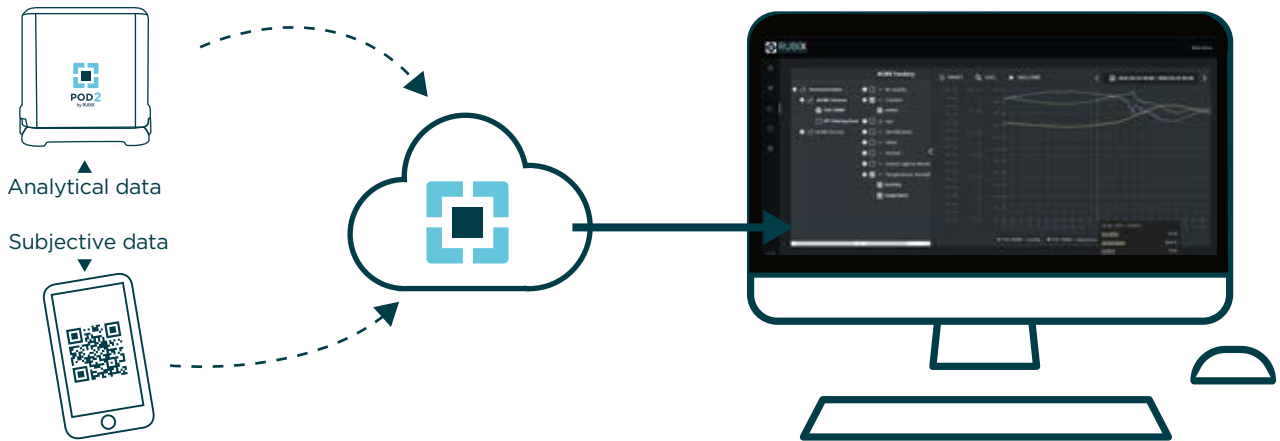
### Noisy environment :

- -66 % on performance





## ➤ 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



Public buildings



Industrial environment

## ➤ Impact of indoor environment quality\*



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



**Inadapted temperature :**  
• -10% on performance

\* Source : World Green Building Council 2014 report.

