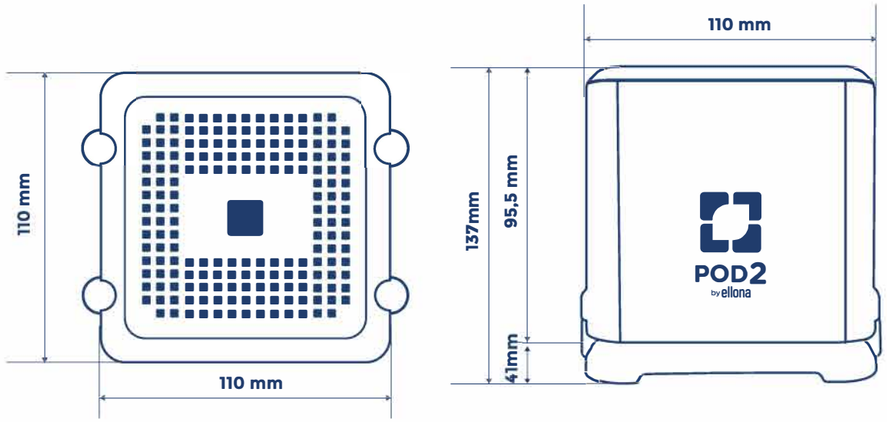
Technical specifications and options



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	Temparature	Humidity	Sound
Sensor principle	Digital converter with high IR blocking filter	Numeric sensor	Numeric sensor	Digital MEMS microphone
Measurement 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
Life sensor	> 5 years	> 5 years	> 5 years	> 5 years

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

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Version v1 - 1221

of the AIRLAB Microsensor
WINNER
Challenge 2021

POD2

Health and performance also depend on the quality of indoor environment

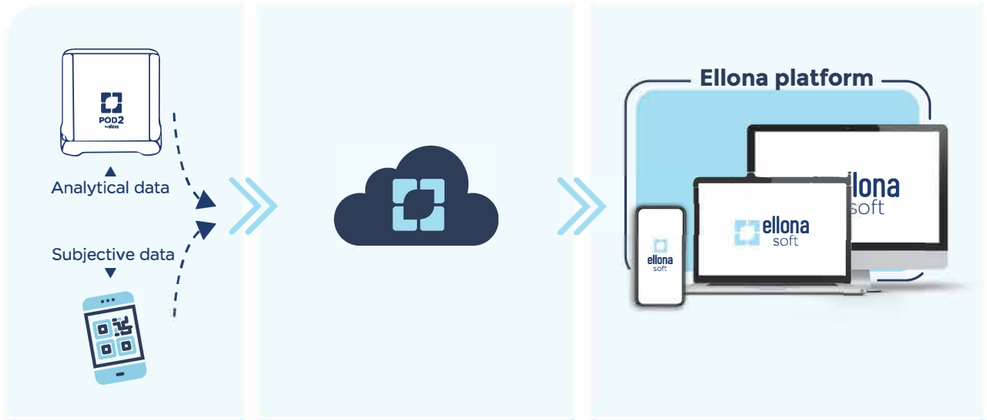
Your indoor network for monitoring and identifying sources of nuisances and pollutants

Environmental Intelligence

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

- 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

How it works



DATA COLLECTION

- Pollutants
- Nuisances
- Feedback

DATA PROCESSING AND STORAGE

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

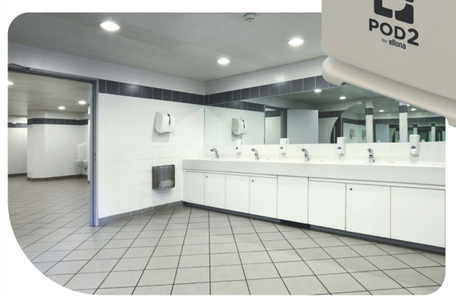
DATA ACCESS AND VISUALIZATION

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

Main areas of application

Open spaces

Schools



Public facilities

Industrial environments

Impact of indoor environment quality*

Good Air quality

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

Adequate lighting

-7 % of sick leave

Noisy environment

-66 % on performance

Inadapted temperature

-10% on performance

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