



Air Quality



Gases



Odors



Particles



Noises



Light



Pressure



Vibration



Temperature



Humidity



POD2

Health and performance also depend on the quality of indoor environment

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



UK Distributor:

Telephone:

Email:

iBiossys Solutions Ltd

01932 844400

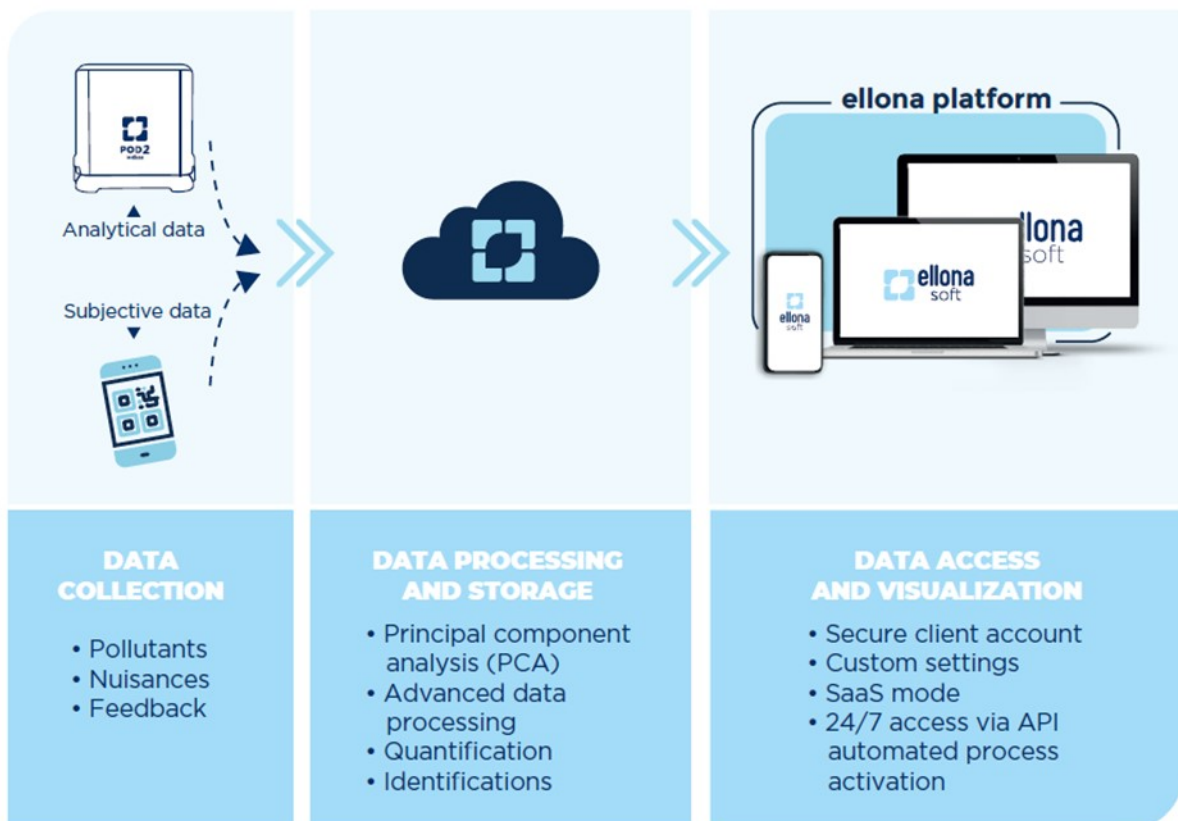
sales@ibiossys.co.uk

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



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

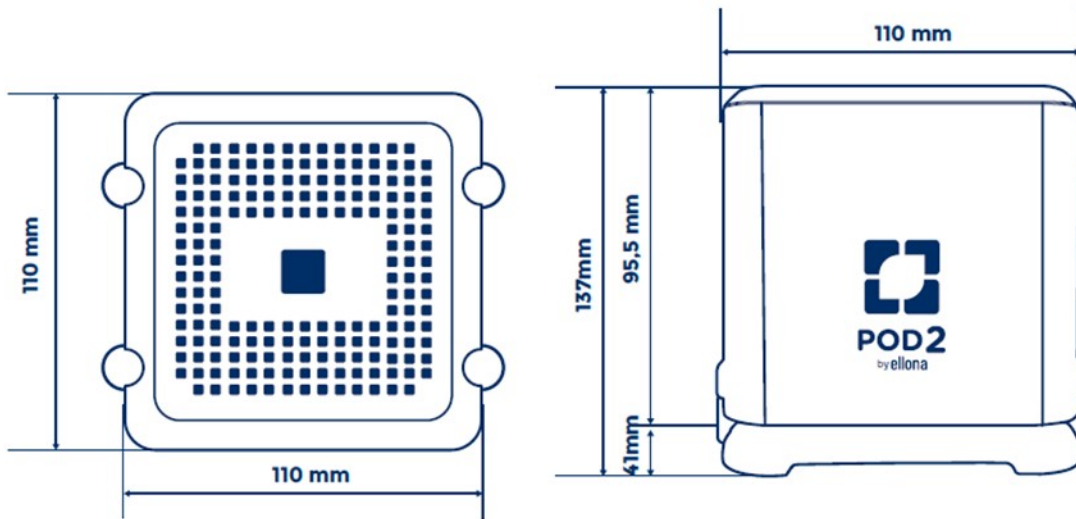


**Inadapted
temperature**

-10% on performance

* Source : World Green Building Council 2014 report.

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	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



ELLONA

3 Avenue Didier Daurat - 31400 Toulouse - France
Tel: + (33) 5 32 10 87 70 - info@ellona.io
www.ellona.io



UK Distributor: iBiosys Solutions Ltd
Telephone: 01932 844400
Email: sales@ibiosys.co.uk