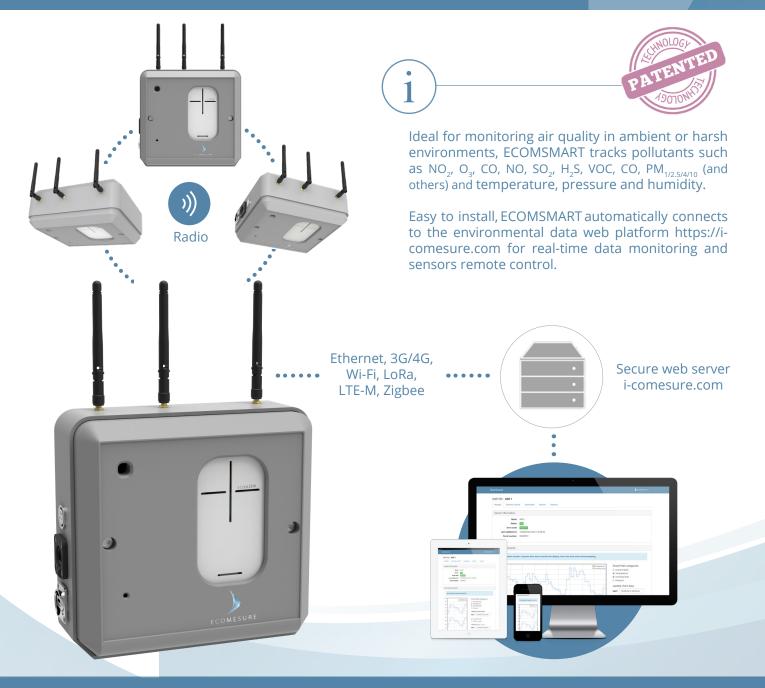
ECOMSMART

MULTI-PARAMETER SMART AMBIENT AIR MONITOR



(+) BENEFITS

- All-in-one multi-parameter system
- Controlled calibration process for quality measurement
- Easy to install and use
- + Centralized services on i-comesure.com
- Stand-alone version (solar panel & battery)

APPLICATIONS

- Urban centres, Smart cities
- + Industrial sites (quarries, mines, airports, ports)
- Workshops, warehouses, work-sites
- + Roads, tunnels, subway

ECOMSMART

TECHNICAL SPECIFICATION



Dimensions/Weight L8.2" x W7.8" x H3.5" (L210 x W200 x H90 mm) / 4.41 lbs (2 kg)

Connectivity Ethern

Options: Wi-Fi - 3G/4G/GPRS - LTE-M - LoRa - ZigBee Pro

Frequency

One measurement every 60 seconds (ajustable from 10s to 1h)

Digital I/O 1 Di

1 Digital Input / 1 Digital Output

Localization

Accelerometer, GPS

Access to data

https://i-comesure.com

Web services

Mapping | Multi-data display | Device status | Device remote control | Data storage | Data download | Configurable alerts/alarms | Data analytics reports | Virtual Integrated Devices (VID) | Data ciphering | API | Database

export I Data logger

Data security

Local + Cloud-based encryption WPA2-Enterprise compatible

Data storage

Built-in microSD memory card

Web storage

Technology

Power supply

5 VDC USB, 2 A max. Adapter included: 100-240 VAC 50/60 Hz

IP67 power supply

Built-in battery backup (8h of use, 12h in LoRa) optional

"Autonomy kit" option

Solar panel (55 W, 90 W, 115 W); Battery weather-resistant assembly

Clamped onto a post or a fence, weather-resistant (equivalent IP54)

Measurement Range

External fastening

CE Class B, FCC Class A

Certifications

Patent **Sensors**

NO,

 O_3

CO

NO

SO,

H₂S

NH³

Applicable in France, Europe, United States

Sensor cartridge	

MEASUREMENT SPECIFICATIONS

Select the sensors of your choice:

up to 3 electrochemical, 1 PID, 1 NDIR and 1 optical sensors.

Optimized maintenance and calibration: one-step sensor cartridge annual replacement.



CH₂O
Cl₂
HCl
On:
VOC₅₀ and VOC₃₀₀₀
CH₄
CO₂
PM₁,PM_{2,5}, PM₄, PM₁₀
Total Suspended Particles (TSP)
Environmental parameters
Temperature

Humidity

Pressure

0-20 ppm < 0.02 ppm 0-20 ppm < 0.02 ppm 0-500 ppm < 0.02 ppm 0-20 ppm < 0.08 ppm 0-50 ppm < 0.02 ppm Electrochemical < 0.01 ppm 0-50 ppm 0-100 ppm < 3 ppm 0-10 ppm < 0.1 ppm 0-20 ppm < 0.2 ppm 0-20 ppm < 0.5 ppm PID 0-50 ppm | 0-3000 ppm 3 ppb | 50 ppb 0-2.5% 500 ppm NDIR 0-5000 ppm 1 ppm 0-1000 µg/m³ 1 μg/m³ Laser/Optical 0-2000 µg/m³ 1 μg/m³ Measurement Range Accuracy Technology Temperature sensor - 4 to 122 °F (-20 to +50 °C) 0.54 °F (0.3 °C) RH sensor 0 to 100% HR 3% HR Pressure sensor 300 to 1100 hPa 1 hPa

MADE IN FRANCE

VEN - 2021 06 22

Detection Limit

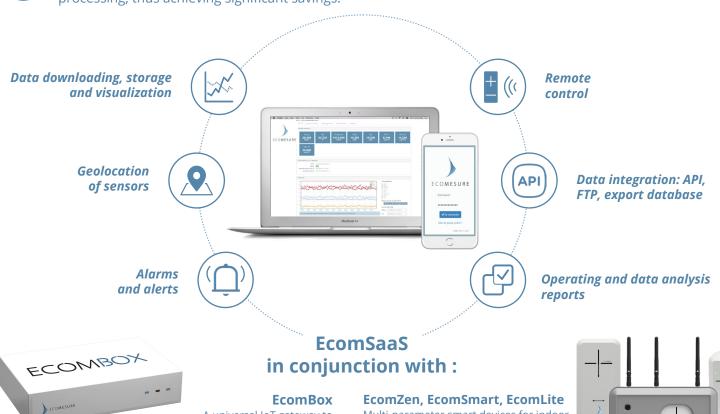
ECOMSAAS

ENVIRONMENTAL DATA MANAGEMENT PLATFORM



-(i)

As an integral part of the ECOMESURE connected systems, EcomSaaS is a **service package based on a web platform** https://i-comesure.com in SaaS mode which considerably simplifies sensor control and data processing, thus achieving significant savings.



A universal IoT gateway to connect a variety of measurement instruments to the web platform.

Multi-parameter smart devices for indoor and outdoor air quality monitoring on https://i-comesure.com.



+ BENEFITS

- Management of all sensors and data on a single platform in real time
- 24/7 data access from any terminal
- Secure data transfer, storage and access
- Easy connection to other servers and platforms by FTP or API
- + Intuitive and easy to use
- + Remote updates (Over The Air)

APPLICATIONS

- **Environmental monitoring**: Air, water, noise, electromagnetic waves, meteorology, radioactivity, etc.
- Smart Factories: Industrial process control, metering, servo systems, traceability etc.
- + Smart Grid: Resources management, energy consumption management, waste treatment, water treatment, etc.
- Smart Building : Technical building management and CSR policy
- Smart Cities : Consolidation and integration of urban data

ECOMSAAS



Simple and intuitive displays

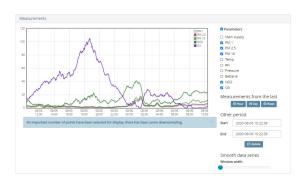
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Air quality monitoring with EcomZen, EcomSmart and EcomLite



Management

Control of all types of sensor, management of environmental and operational data





Three pricing levels, with or without a commitment

Annual subscriptions or MOD " Measurement On Demand"

Services	STARTER	MANAGER	EXPERT
Mapping	\odot	\odot	\odot
Real-time data display	\bigcirc	\odot	\odot
Multi-display mode (index and management)	\odot	\odot	\odot
Device status	\odot	\odot	\odot
Remote control		\odot	\odot
Cloud data storage ¹		\odot	\odot
Data downloading (local or via FTP)		\odot	\odot
Configurable alerts/alarms ²		\odot	\odot
Access to data analysis reports		\odot	\odot
Virtual Integrated Devices (VID)			\odot
Advanced data encryption			\odot
Advanced alert system			\odot
API link			\odot
Database export			\odot
Data logger			\odot

⁽¹⁾ Last 12 months of data available (ajustable)

1 SMS/day







⁽²⁾ Limited to 3 E-mail addresses and 3 mobile phone numbers, 1 email/hour,