



Airgloss

PROSENSE



ABOUT AIRGLOSS

Airgloss provides innovative solutions for real-time air quality monitoring and thermal comfort management for any kind of indoor space, from homes to offices, schools, hotels, healthcare and even transports.

Founded in 2014, the company has developed and patented an advanced technology based on Artificial Intelligence to identify a broad range of pollutants and improve indoor air quality and wellbeing.

www.airgloss.com

www.airglossproject.com

According to numerous studies,
there is a direct relation
between poor Indoor Air
Quality and **lower productivity**,
increase in **sick leaves** and
dissatisfaction towards
the workplace.

This translates into both a
general health issue and major
economic loss.



Poor air quality in the workplace can negatively affect productivity and profit, by up to **\$15,000** per employee per year^[1].

^[1] Source: Harvard University



At the core of your workspace

PROSENSE

PRO-LEVEL ENVIRONMENTAL MONITORING

Airgloss ProSense is designed for commercial and industrial applications (offices, meeting rooms and other public spaces such as workspaces and schools), where air quality influences occupants' wellbeing and health, with a direct impact on performance and productivity.



MULTI-SENSING

ADVANCED MEMS SENSOR ARRAY

Airgloss ProSense features a cutting edge gas sensing technology developed entirely by Airgloss using state-of-the-art MEMs sensor array and Pattern Recognition algorithms, specifically designed for indoor environmental monitoring.



INDOOR
AIR QUALITY



VOLATILE ORGANIC
COMPOUNDS



CARBON
MONOXIDE



CARBON
DIOXIDE



NITROGEN
DIOXIDE



METHANE
(OR LPG)



INDOOR
TEMPERATURE



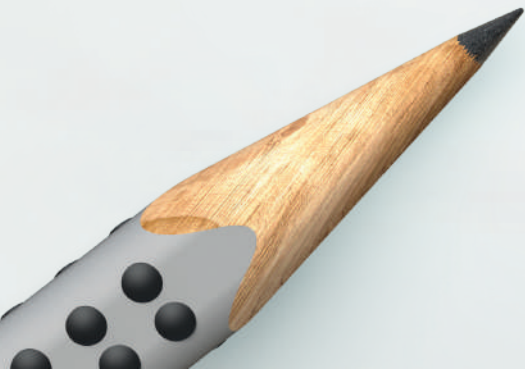
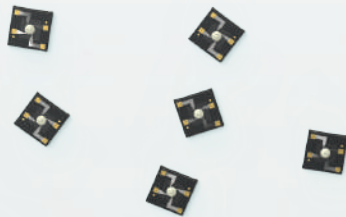
RELATIVE
HUMIDITY

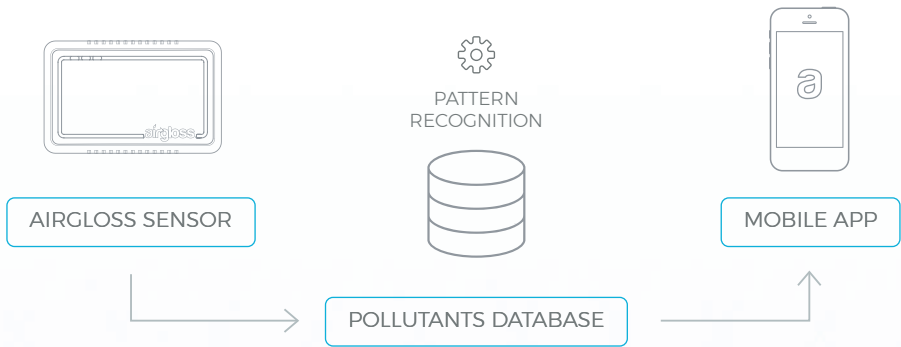


BACKGROUND
NOISE



ATMOSPHERIC
PRESSURE





AI ALGORITHMS

SMART ENVIRONMENTAL MONITORING

Through Artificial Intelligence algorithms and Pattern Recognition, ProSense allows a prompt detection and identification of a wide range of indoor airborne pollutants, and potentially dangerous chemicals.

Learning to get the most out of your environment

12:48
IAQ: 78.0
VOC: 450 ppm



HVAC SYSTEMS

INTELLIGENT AIR QUALITY MANAGEMENT

Airgloss ProSense can work in standalone configuration for air quality and environmental monitoring, or is optionally able to control existing HVAC systems using wired Modbus or BACnet connectivity, performing intelligent air quality management through advanced demand control ventilation (Smart DCV).

Airgloss ProSense is compatible with the majority of common HVAC systems.

*Making sure your space
is comfortable and safe*

APPLICATIONS

DEDICATED TO ALL INDOOR ENVIRONMENTS

Airgloss ProSense is intended for a wide variety of commercial and industrial indoor spaces, to guarantee health, safety and comfort to the occupants, without any compromise.

*Many applications,
one tailored solution*



REAL ESTATE



HOTELS



OFFICES



TRANSPORTS



SCHOOLS



HEALTHCARE

THE DASHBOARD

REAL-TIME OVERVIEW AT A GLANCE

Airgloss devices are always within reach through real-time monitoring and control over one intuitive management platform, the single-point monitoring and control solution to increase your occupants comfort and health and optimize energy efficiency.

*Control and overview.
Anytime, anywhere*










HIGHLIGHTS

FOR SMARTER, HEALTHIER LIVING

Access Airgloss features from all your desktop and mobile devices, including real-time environmental monitoring, complete data history overview, instant alerts and HVAC scheduling.

Available on Play Store and App Store.

-  REAL-TIME OVERVIEW
-  COMPLETE DATA HISTORY
-  REMOTE OPERATIONS
-  ACCESS SHARING
-  BUILDING MANAGEMENT
-  HVAC CONTROL
-  PUSH NOTIFICATIONS



NOTIFICATIONS

KEEP TRACK OF YOUR ENVIRONMENT

With Airgloss management platform you will be able to receive custom notifications according to your needs, completely real-time.

Receive warnings directly on your smartphone through Airgloss App, and be always up to date with what's going on in your environment, for the peace of mind you deserve.

Notification features include:



CUSTOM ALERTS

Manage personally the alerts you want to receive, with maximum flexibility.



PERSONALIZED ADVICE

Receive relevant advice to improve your indoor environment and boost energy saving.



EASY COLOR CODING

Find out what's wrong at a glance with Airgloss intuitive color-coding.



PUSH NOTIFICATIONS

Receive alerts directly on your device, so that you never miss anything.



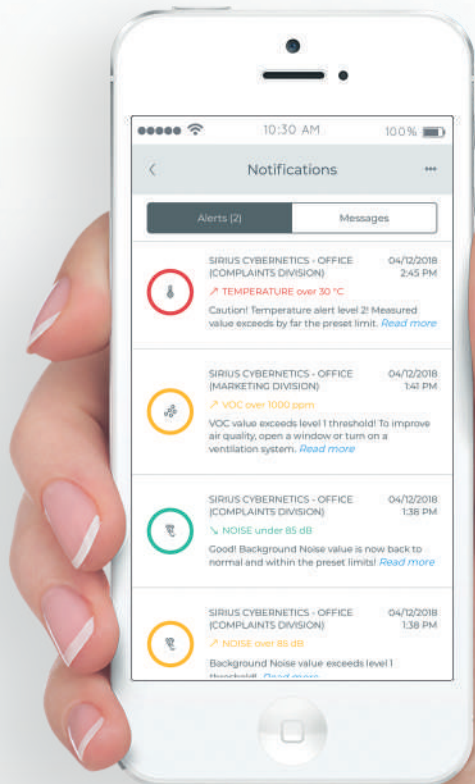
DIFFERENT PROFILES

Switch thresholds sensitivity between 3 different profiles, to better reflect your environment.



AWARENESS

Airgloss notifications give you facts and informations about each parameter being measured.



TECHNICAL INFO

PROSENSE 2ND GENERATION SPECIFICATIONS

ENVIRONMENTAL SENSORS

Total Volatile Organic Compounds (VOCs)
Carbon Dioxide (CO₂)
Carbon Monoxide (CO)
Nitrogen Dioxide (NO₂)
Methane (CH₄) or GPL
Temperature & Humidity
Background Noise
Atmospheric Pressure

SENSING TECHNOLOGY

Patent pending MEMS + AI-based realtime multiscan for VOC, NO₂, CO and CH₄ sensing, optical, non dispersive infrared (NDIR) for CO₂ and CH₄ sensing.

COMPATIBILITY

Airgloss ProSense works in standalone configuration for environmental monitoring and performs intelligent airflow management through demand control ventilation (SmartDCV) with existing HVAC systems.

COMMUNICATION INTERFACE

Wired connectivity:

- RS485 (half duplex, max 115.000 bps)

Wireless:

- Wi-Fi 802.11b/g/n @ 2.4GHz
- Bluetooth 4.2 (future implementation)

HVAC communication protocols:

- Modbus
- Bacnet

COVERAGE AREA

Depending on sensor installation
(up to 200 sqm)

SENSOR PLACEMENT

Direct wall mount at breathing level
(1.5 to 1.8 mt from ground)

LIFE EXPECTANCY

2-3 years (up to 5 years or more in clean environments).

Replacement cartridges for CO₂/CH₄ and Multiscan MEMS Sensing are available for sensor maintenance.

USER INTERFACE

3 LED lights (system setup, overall status, environmental parameters level);
Sound Alarm (event notifications based on custom user settings);
Backside button for system reset and wifi configuration;

SYSTEM REQUIREMENTS

WiFi connectivity to a router/access point with internet available;
Airgloss app on smartphone or tablet with Android or iOS;
Latest version of Chrome, Firefox, Safari, Internet Explorer, Microsoft Edge.

Weight: 260 g, **Dimensions:** 110x68x34,5 mm

AIR POLLUTION IS LISTED
AS ONE OF THE **TOP 5**
RISKS TO HUMAN HEALTH.
LET'S CHANGE THAT.



COMPLIANCE

Airgloss devices are designed to be compliant with the main green building certifications:



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Developed for **space**,
made for **you**



The 'Space Solutions' trademark has been created by ESA to give special recognition to products and services that make use of space technology and space-provided services.



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