

Ventilation

Citizen, health, education, hospitality, restaurants

The air we breathe may be 5 to 10 times more polluted inside than outside and may cause human health problems: headaches, fatigue, irritation of the eyes, nose, throat and skin, dizziness, allergies, asthma, etc. In addition, poor ventilation can result in building degradation (moisture, mould, etc.), acoustic discomfort (ventilation noise) and energy consumption.

The solution

- + A stand-alone sensor for air flow measurement.
- + Simple visualization of your entire estate.
- + Automatic alerts and notifications.

The benefits

- + Alert in case of malfunction of an air handling unit
- + Ensuring air renewal.
- + Moisture-related building damage insurance.
- + ROI : The average cost of a moisture repair is €3,000 to €5,000

Did you know that ?

Did you know that after roofspaces, which are responsible for 30% of the heat loss in a home, ventilation is the second heat loss factor in a home? According to the Ministry of Ecological and Inclusive Transition: “Good air quality inside a building has a proven effect on concentration quality.”

Smati application

- Collection, processing and retrieval of pressure data in Pa.
- Quick overview of the installation status.
- Display of monthly average consumption in the previous and current year, and of the consumption target.
- Preconfigured and easily configurable notifications alerts
- Ability to define different rights of access and use.

VMC



Sensor : NKE Ventil'O

- Pressure measurement : 0 to 500 Pa
- Temperature : -20°C to +60°C
- Works on battery
- Autonomy up to 10 years
- Low battery alert
- 24 months warranty



Connectivity: LoRaWAN™ technology

- Network that has the ability to connect all the sensors deployed in the building.
- Wireless communication without SIM card.
- Allows a long-range link between the sensor and the gateway.
- 100% integrated into SMATI environment.
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