

# Indoor air quality sensor

## Measure all aspects of air quality with a single sensor.

Our air-quality sensor measures carbon dioxide (CO<sub>2</sub>), volatile organic compounds (VOCs) and particulate matter (PM) levels, as well as temperature and humidity in a room. These small, discreet sensors can be mounted on a wall or table. Producing near real-time, highly accurate data which you can use to ensure your indoor air quality is at optimum levels at all times.

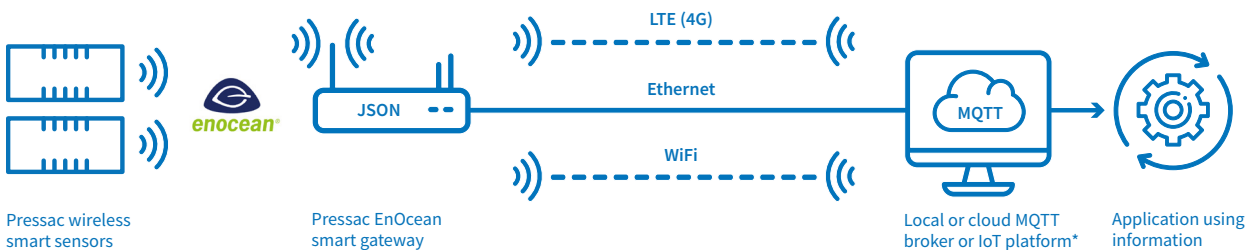
### Features

- Measures ambient carbon dioxide (CO<sub>2</sub>), total volatile organic compounds (TVOC), particulates (PM1/PM2.5/PM4/PM10), temperature and relative humidity:
  - CO<sub>2</sub> 0-5000 ppm
  - PM1/2.5/4/10 1-511 µg/m<sup>3</sup>
  - VOC Index 1-500
  - Temperature -10-50°C
  - Humidity 0-100% RH
- Reports room conditions every 5-60 minutes (configurable)
- Optional:** built-in gateway to send data straight to your preferred platform. Transmits data wirelessly and securely – using AES-128 encryption – via EnOcean wireless protocol, which uses internationally approved, licence-free ISM bands



## Integrating sensor data

Our smart gateway receives near real-time data from all sensors within range, converts the raw data into an easy-to-use JSON format, then publishes it using MQTT protocol. Data can be sent - via Ethernet, LTE (4G) or WiFi – to any local or cloud MQTT broker; securely to IBM Watson IoT, Microsoft Azure IoT Hub or AWS IoT Core; directly into Google Sheets; or to a Node-RED application.



\*Ready-made connections with:



