

# sky.Air

## IoT SENSORS

### Air quality sensor

Specifically designed to comply with the most recent REHVA (Federation of European Heating Ventilation and Air Conditioning Associations) and NIH (National Institute of Environmental Health Sciences) directives, sky.Air continuously monitors the indoor environments in real-time, safeguarding the occupants' health.

Detected Compounds: Total Volatile Organic Compounds (VOC), including Formaldehyde, Benzene, Toluene, Xylene, Perchloroethylene etc., Carbon Dioxide (CO<sub>2</sub>), Nitrogen Dioxide (NO<sub>2</sub>), Carbon Monoxide (CO), Methane (CH<sub>4</sub>)



Extra: the device relies on a patented aerospace-grade technology developed for the safety of astronauts on board the ISS (International Space Station) and successfully tested by NASA.

Product Features	
<b>Product Code</b>	50.10001.015
<b>Sensor Coverage Area</b>	max 200 sqm (depending on sensor installation)
<b>Life Expectancy</b>	2 yrs (5 yrs in a clean environment)
<b>Communication Protocol</b>	Wi-Fi 802.11 b/g/n / Bluetooth 4.2 / Digital RS485 / Modbus
<b>Sensing Technology</b>	CO <sub>2</sub> - Optical, non dispersive infrared (NDIR) VOC, NO <sub>2</sub> , CO, CH <sub>4</sub> , CO <sub>2</sub> - Patent pending MEMS + A.I. based realtime multiscan
<b>Gas Measurement Ranges</b>	Total VOCs (Volatile Organic Compounds) - 25 - 20000ppb (Isobutylene equivalent); 250-5000 ppm (CO <sub>2</sub> equivalent units)
<b>Supply Voltage DC</b>	24 VDC nominal (12 to 30 VDC)
<b>Supply Voltage AC</b>	24 VDC nominal (15 to 28 VAC)
<b>Power Consumption</b>	0.5 A total max
<b>Operating Temperature Range</b>	5 - 50° C
<b>Operating Humidity Range</b>	5% - 95% non condensing
<b>Enclosure Rating</b>	IP 55, NEMA 3
<b>Dimension</b>	110x70x27.5 mm - 156g
<b>Warranty</b>	1 year

