

ECONtroller

More than a pollution detector



The main reason because municipalities don't set up an extensive air quality sensor network is the price. Systems which cost tens or hundreds of thousands euros, which provide very accurate measurements, not necessary in the 95% of the cases.

To support municipalities become Smart Cities, we have developed ECONtroller.

- ECONtroller provides the reliability of these systems, for an affordable price. Allowing municipalities to set up an entire network of air quality sensors over their cities, where before there were just a few.
- The system detects when, where and in which quantity the most important pollutants are present.

SCHEMATIC DIAGRAM



TECHNICAL ASPECTS	SENSORS	
<ul style="list-style-type: none"> • Real time data • Fix and mobile locations • Able to connect with other platforms • Adjustable data interval • User- friendly interface 	<p>Included</p> <ul style="list-style-type: none"> • Temperature • Humidity • Pressure • GPS position 	<ul style="list-style-type: none"> • Recommended Particulate 2.5 (PM2.5) • Nitrogen dioxide (NO2) • Ozone (O3)
 <p>Average data & Alers</p> <p>Graphics</p> <p>Coloured map</p>	<p>Customizable</p> <ul style="list-style-type: none"> • Carbon dioxide (CO2) • Carbon monoxide (CO) • Particulate 10 (PM10) • Particulate 1.0 (PM1.0) • Noise (dB) <p>*Other sensors can be installed, if they fit into our standards.</p>	
COMMUNICATION		
		

VALUES DEFINITION

SENSOR	SCALE	RANGE*
Temperature	°C	-20 - +60
Humidity	RH%	10 - 80
Pressure	HPa	From -500m to +5.000m
GPS	DD	GPS precision
CO	ppm	0 - 200
NO2	ppm	0 - 1
O3	ppm	0 - 5
CO2	ppm	0 - 5.000
PM10	µg/m3	0 - 1.000
PM2.5	µg/m3	0 - 1.000
PM 1.0	µg/m3	0 - 1.000
Noise	dB	> -44

*Sensor range can be adapted to the customer needs

Power supply	Power grid	220 – 240 V to 12V
Data storage capacity	Cloud base	

- Power supply transformer provided

Monitoring

- Completely autonomous
- Security 24/7

Scalable

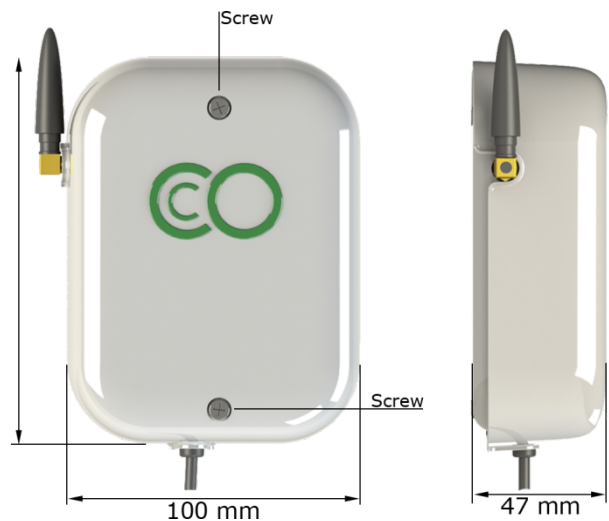
- Affordable networks

Maintenance

- Replacement in 48h*

Causing

- Easy installation, 2 screws
- Waterproof design
- Quality and sturdiness



* Normal conditions

The data contained in this document has informative purposes. OMS-I reserves its right, to change design and technical characteristics of the system in order to improve it when needed.



Once EController has reached the end of its useful life, it should be disposed separately from solid urban waste. Contact your provider.