Airly Air Quality Sensors

PRODUCT CARD

General information

Available protocols for communication:

- GSM
- Wi-Fi
- LoRa
- NB-IoT

Particulate matter concentration measurement:

PM1.0

Range:	Accuracy:
0 – 100µg/m³	±5µg/m³
101 – 500µg/m³	±10%

PM2.5

Range:	Accuracy:
0 – 100µg/m³	±10µg/m³
101 – 500µg/m³	±10%
501 – 1000µg/m³	±20%

PM10

Range:	Accuracy:
0 – 100µg/m³	±10µg/m³
101 – 500µg/m³	±10%
501 – 1000µg/m³	±20%

Power supply:

Powered by: 5V@2A from external USB
Power supply: (230V/110V)
Power supply cable length: 3m
Maximum cable length: 5m
Solar power supply: available
Power consumption: Average Power: 1.2W
Max. Power: 2W
Energy consumption (per 24h): 0.0288kWh
Energy consumption (per year): 10.5kWh

Data accessibility:

- Airly website map.airly.eu
- Airly Mobile app iOS and Android
- Widget
- Airly API
- Airly Customer Panel

Installation requirements:

- GSM/Wi-Fi/LoRa/NB-IoT range
- Power source
- Height: 1.5 – 8m above ground

Technical specification:

	Airly PM Sensor	Airly PM+GAS Sensor
Constant working conditions:		
Temperature:	-30°C – +60°C	-30°C – +60°C
Humidity:	0 – 100%	0 – 100%
Pressure:	800 – 1200hPa	800 – 1200hPa
Measurements		
	PM1, PM2.5, PM10, temperature (°C) , air pressure (hPa) and humidity (RH)	PM1, PM2.5, PM10, temperature (°C) , air pressure (hPa) and humidity (RH)
		NO_2, O_3, SO_2, CO, H_2S, NO
Size		
Case material:	Stainless steel	Stainless steel
Weight:	440g	490g
Dimensions		
X	74mm	74mm
Y	75mm	112mm
Y*with antenna	165mm	202mm
Z	83.5mm	83.5mm
Gas performance measurements		
Concentration range		0 - 5000ppb
Response time		<60s
Noise		15 ± ppb

Airly PM Sensor

Airly PM+GAS Sensor