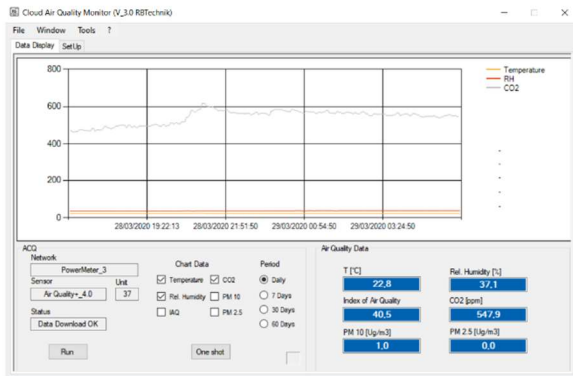
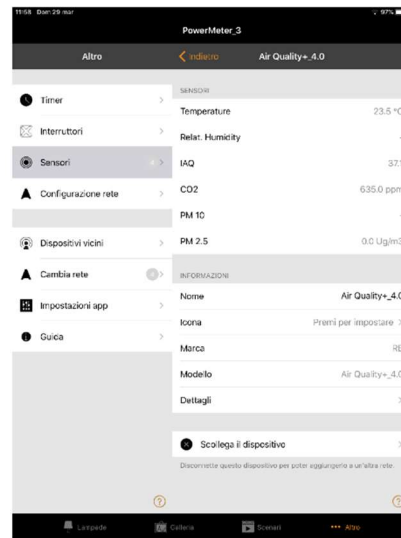


# Cloud Air Quality



Preliminary



## Features:

- Indoor Air Quality monitor compatible with Casambi ecosystem.
- Measure Ambient temperature, Relative Humidity, Tvoc (Total Volatile Organic Compound), eCO2.
- Data are visible on Casambi App and stored in Casambi Cloud
- Cloud stored data can be retrieved with the included app that allow display, charting, analyzing of all parameters.
- No tools installation.
- Small dimensions allow to be easily installed and hidden.

## Description

Cloud Air quality Station + is a Casambi ready Air Quality sensor station that allow to measure, report and store Air Quality data . It consists in a several sensor that allow to give complete measurement of indoor location Air Quality.

The device has to be paired to a Casambi network and it is visible in Sensor section. Acquired data are available on sensor page app and are stored in Casambi cloud. The device need a reliable Internet connection and an active Casambi Gateway.



The screenshot shows the Casambi app interface for a sensor named 'Air Quality\_3.0\_2920'. The top status bar shows 'vodafone IT', signal strength, Wi-Fi, time '12:48', and battery level. Below the sensor name, there are two sections: 'SENSORI' and 'INFORMAZIONI'. The 'SENSORI' section lists various air quality metrics with their current values. The 'INFORMAZIONI' section lists device details like name, icon, brand, and model.

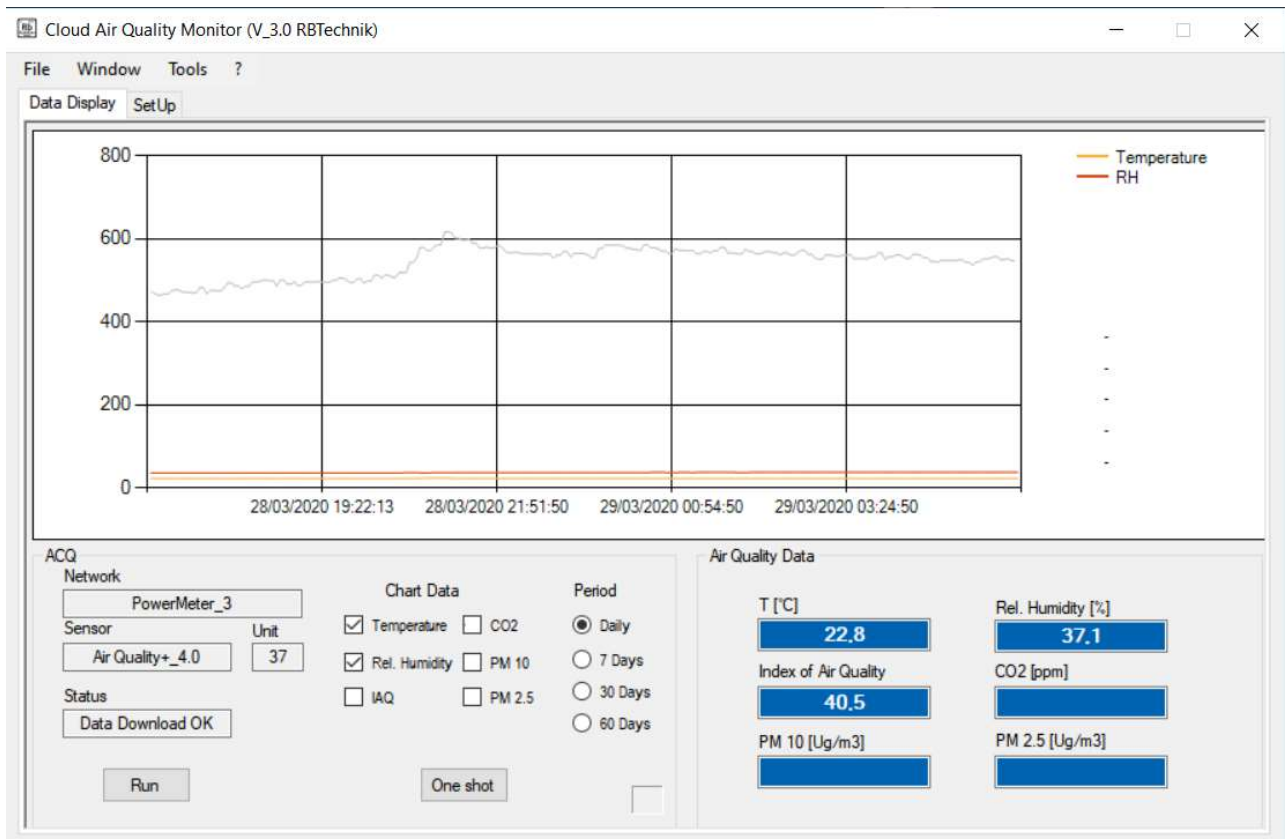
SENSORI	
Temperature	16.1 °C
Relat. Humidity	43.5 %
TVOC	4.9 -
CO2	441.0 ppm
PM 10	13.0 Ug/m3
PM 2.5	4.9 Ug/m3

INFORMAZIONI	
Nome	Air Quality_3.0_29...
Icona	Premi per impostare >
Marca	RB
Modello	Air Quality_3.0_2920 

The included Windows App allow to establish a Cloud Casambi API Session to retrieve data from cloud to display, chart and report mains parameters and installation energy consumption.

Software is intuitive and all setup settings are automatically stored and retrieved on App closing and opening.



## Technical specification:

Air quality measured parameters:

Ambient temperature	0 - 65 °C
Relative Humidity (RH)	10 - 90 %
Total Volatile Organic Compound (Tvoc)	0 - 1187 ppb
Index of Air Quality	0 – 500

Input Voltage : 200-260 Vac

Power consumption: 2W


Isolation : class II

Protection grade IP 20

Dimensions: 50x50x30 mm (tentative)

Standards: Electromagnetic compatibility (EMC) - emissions and immunity: EN 62052-11

Electrical safety: EN 61010-1, EN 50470-1 (MID), UL 61010-1

Approvals: 

Not suitable for safety application.

Contact: [info@RBTechnik.eu](mailto:info@RBTechnik.eu)

## Installation

- 1) Caution! Electric shock hazard. Trained personnel are required for installation.
- 2) Connect Cloud Air Quality to mains.
- 3) Cloud Air Quality has to be in the radio range of at least one Casambi network other node.
- 4) Pair the device with the Casambi network active in the area.
- 5) An active Casambi network gateway is needed to delivery data to the cloud. Data will be available with some delay.