IDEAL AS10

Indoor air sensor for measuring and displaying air quality and interconnecting IDEAL AP PRO air purifiers.

Particulate matter sensor for PM2.5 and PM10

VOC measurement

Temperature measurement

Air humidity and air pressure measurement

6-colour/6-step air quality display

Automatic control of IDEAL AP PRO devices

Online remote control of IDEAL AP PRO devices

Air quality display via "IDEAL AIR PRO" app

Google play   App Store

Technical details

Power supply	5 V micro USB cable
Power consumption	max. 500 mA
Measuring interval	1 second
Transmission interval	60 seconds
IP rating	IP20
Calibration interval	24 months
Dimensions (H x W x D)	65 x 65 x 65 mm
Weight (g)	150

The IDEAL AS10 indoor air sensor measures the air composition, indoor climate and possible environmental impacts – all in real time. The device performs three main functions:

1. Measuring and displaying the air quality: The IDEAL AS10 measures particulate matter PM2.5 and PM10, as well as VOCs, temperature, air humidity and air pressure. All of these values are displayed in the associated "IDEAL AIR PRO" app. The IDEAL AS10 also shows the air quality on the device itself with a six-step colour scheme. This colour scheme ranges from green ("good") to dark violet ("hazardous").

2. Automatic control of connected IDEAL AP PRO air purifiers: In automatic mode, the IDEAL AS10 can monitor all connected IDEAL AP PRO air purifiers. With the "IDEAL AIR PRO" app this is easy and convenient to install.

3. All IDEAL AP PRO air purifiers can be controlled online via the "IDEAL AIR PRO" app.

For operation, the IDEAL AS10 has to be connected to a constant power supply (5 V micro USB). The IDEAL AS10 can be connected to IDEAL AP PRO air purifiers using the corresponding free "IDEAL AIR PRO" app. The particulate matter sensor should be calibrated after it has been used for 24 months. The "IDEAL AIR PRO" app provides relevant information about this process.

IDEAL

pure air. pure life.

MEASURED VALUES

Volatile organic compounds (VOCs)
Range: 0–32,768 ppb
Resolution: 500 ppb
Accuracy: ± 20% of the measured value

Relative humidity
Range: 20–90%
Resolution: 1%
Accuracy: ± 4% of the measured value

PM2.5/PM10 fine dust
Range: 0–1000 µg/m^3
Resolution: 1 µg/m^3
Accuracy: At 0–100 µg/m^3: ± 15 µg/m^3
              At > 100 µg/m^3: ± 15% of the measured value

Air pressure
Range: 20–110 hPa
Resolution: ± 0.4 hPa
Accuracy: ± 5% of the measured value

Temperature
Range: -10 to +50 °C
Resolution: 1 °C
Accuracy: ± 1 °C

COMMUNICATION
• Indoor wireless hotspot for configuration.
• Can be connected to any wireless network.
• Push notifications on mobile device with
  relevant recommended actions.

Scope of delivery: IDEAL AS10 indoor air sensor,
micro USB cable, operating instructions