

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

Up to 5 air purifiers can be controlled simultaneously

Air quality display via "IDEAL AIR PRO" app



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 up to five 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. Up to five IDEAL AP PRO air purifiers can be controlled simultaneously 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

PM2.5/PM10 fine dust

Range: 0–1000 µg/m³

Resolution: 1 µg/m³

Temperature

Range: -10 to +50 °C

Resolution: 1 °C

Relative humidity

Range: 20–90%

Resolution: 1%

Air pressure

Range: 20–110 hPa

Resolution: ± 0.4 hPa

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

CE CONFORMITY

Manufacturer – Krug & Priester GmbH & Co. KG, Simon-Schweitzer-Str. 34, 72336 Balingen, Germany - declares that this device complies with the following directives and standards:

Directives:

EMV 2014/30/EU

R&TTE 2014/53/EU

RoHS 2011/65/EU

Standards:

EN 55022:2010/AC:2011

EN 55024:2010

IEC 61000-3-2

