

IDEAL

AS10

Air sensor
Indoor station



OPERATION MANUAL

1 Initial setup IDEAL AS10

(device pairing):

1. Make sure your cell phone is connected to your home Wi-Fi network.
2. Download the free "IDEAL AIR PRO" app.
3. Create an account and sign in.
4. Connect the USB power cable to the IDEAL AS10. You can connect the USB cable to any USB or power adaptor or USB port on your laptop.
6. Wait 10 seconds until the device starts to glow green or light green.
7. On the mobile application launcher screen (you must be logged in), press the "plus" button to add a new device.
8. Follow the instructions in the app.



❗ How to enter pairing mode

IDEAL AS10 is equipped with a touch-sensitive surface on top of the housing. It enters pairing mode by placing the palm of your hand on top for 5 seconds. The station starts to glow white.



IDEAL AS10 appliance and system

❗ Once you have set up your IDEAL AS10 – start measuring. Place the device in the location you want to monitor. The device requires power through a USB cable, plug it into a USB-powered power adaptor, or an energy bank or laptop USB port etc.

❗ **This unit is designed for continuous measurement of indoor air quality.**

Air quality values are available in the IDEAL system through your individual account:

- 1.** In the mobile app "IDEAL AIR PRO" and
- 2.** on the web site ideal.de/idealair

After logging in (mobile application and / or web site) you will find measurement parameters: PM 10, PM 2.5, VOC (volatile organic compounds), temperature, humidity and atmospheric pressure.

IDEAL AS10 itself shows the measured air quality levels by changing the colour:

- Green – good air quality
- Yellow – moderate air quality
- Red – poor air quality

The transition between the different levels (green, yellow, red) occurs by colour gradation (intermediate colour shades which signifies a decrease or increase in the air quality factor.

! You can set the illumination time and the brightness in the settings of the app.

The air quality data in the app and/or on the website refer to the EU Air Quality Index (AQI), which is calculated from PM10 and PM2.5 measurements, among others.

Air Quality Index (AQI) Values	Levels of Health Concern	Colors
0 to 50	Good	Green
51 to 100	Moderate	Yellow
101 to 150	Unhealthy for sensitive groups	Orange
151 to 200	Unhealthy	Red
201 to 300	Very unhealthy	Purple
301 to 500	Hazardous	Maroon

❗ For your information: Air quality standards

EU Air quality directive 2008/50/EG:

The EU limits for PM10 are:

- 24-hour mean: $50 \mu\text{g}/\text{m}^3$
(max. 35 exceedances per year)

- Annual mean $40 \mu\text{g}/\text{m}^3$

The EU limit for PM2.5 is:

- Annual mean: $25 \mu\text{g}/\text{m}^3$

WHO 2005 Air quality guidelines:

The WHO limits for PM10 are:

- 24-hour mean: $50 \mu\text{g}/\text{m}^3$
- Annual mean $20 \mu\text{g}/\text{m}^3$

The WHO limits for PM2.5 are:

- 24-hour mean: $25 \mu\text{g}/\text{m}^3$
- Annual mean: $10 \mu\text{g}/\text{m}^3$

❗ The "IDEAL AIR PRO" app can send push notifications if the EU limits are exceeded.

CE conformity



Manufacturer – Krug & Priester GmbH & Co. KG, Simon-Schweitzer-Str. 34, 72336 Balingen, Germany - declares that this device complies with the following directives: 2014/30/EU, 2014/53/EU, 2011/65/ EU.

Standards: EN 55022:2010/AC:2011, EN 55024:2010, IEC 61000-3-2

ⓘ Safe usage – important information:

Please read this user manual and the safety instructions carefully before installing IDEAL AS10.

This device is intended for indoor use only.

The appliance is not intended for use outdoors.

The device should be protected from water.

Avoid contact with dust, flammable gases, vapours, acids and corrosive liquids and solvents.

Unauthorised dismantling or repair of the device is forbidden. Repairs may only be carried out by qualified and trained personnel.

❗ Technical data:

Power supply: 5V, max current. 500mA

Operating temperature: (-) 10°C to 50°C

Degree of protection of the casing: IP1

Communication: IEEE802.11b / g / n Wi-Fi

Possibility of remote software change: Yes



❓ Disposal

Do not dispose of this product together with household waste. The used equipment should be returned to a collection point or another approved facility for recycling.

❓ Technical assistance:

Web: www.ideal.de

E-mail: center@ideal.de

Phone: +49 (0) 7433-269-0

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