INKBIRD INDOOR
AIR QUALITY MONITOR

IAQM-129-W

U S E R   M A N U A L

Please keep this manual properly for reference. You can also scan the QR code to visit our official website for product usage videos. For any usage issues, please feel free to contact us at support @inkbird.com.

Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.

- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.
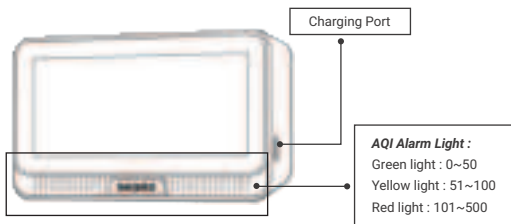
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01 Technical Specifications

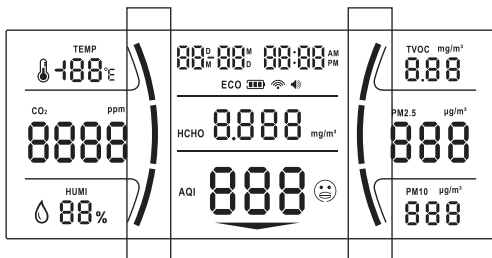|	
Product Name	Indoor Air Quality Monitor
Model Number	IAQM-129-W
Data Detection	Carbon Dioxide, Temperature, Humidity, AQI, HCHO, PM2.5, TVOC, PM10
Screen Size	14.1*6cm
Built-in Li-Po Battery	2700mAh
Power Input	DC5V~12V
WiFi	2.4GHz
Connection Supporting	WiFi+Bluetooth
Package Contents	1x Air Quality Monitor; 1x USB cable; 1x User Manual

02 Product Introduction

◆ *Product Appearance*

Charging Port

AQI Alarm Light :
Green light : 0~50
Yellow light : 51~100
Red light : 101~500
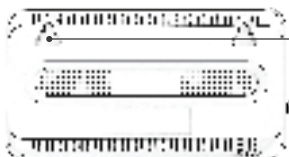
Hang Holes

◆ *Screen Information Description*

TEMP
🌡 -188 ℃

CO₂ ppm
8888

HUMI
💧 88 %

88:88 88:88 AM
ECO 📶 🔊
HCHO 8.888 mg/m³
AQI 888 😷

TVOC mg/m³
8.88
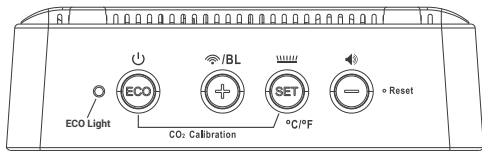
PM2.5 µg/m³
888

PM10 µg/m³
888

CO₂ Comfort Level Indicator:
Green : 400~1000ppm
Yellow : 1001~1400ppm
Red : 1401~5000ppm

PM2.5 Comfort Level Indicator:
Green : 0~35µg/m³
Yellow : 36~75µg/m³
Red : 76~1000µg/m³

ICON	DESCRIPTION	MEASUREMENT RANGE
TEMP	Temperature	-10°C ~ 40°C (±1.5°C) / 14°F~104°F (±2.7°F)
HUMI	Humidity	20 ~ 80 %RH (±5 %RH)
CO2	Carbon Dioxide	400 ~ 5000 ppm [±(50ppm + 5%)]
AQI	Air Quality Index	0~500
HCHO	Formaldehyde	0 ~ 2.000 mg/m³ (±15%)
PM2.5	Particulate Matter 2.5	0 ~ 999 µg/m³ (±10%)
TVOC	Total Volatile Organic Compounds	0~ 5.00 mg/m³ (±15%)
PM10	Particulate Matter 10	0 ~ 999 µg/m³ (±10%)
😷	AQI Comfort Level Emoticon	0~50: 😊 (comfortable) + green light 51~100: 😐 (medium) + yellow light 101~500: 😞 (uncomfortable) + red light
🔋	Battery Level	Shows the remaining battery power in real time
📶	WiFi Connection	Stays on when WiFi is connected; flashes when WiFi is requesting a connection.
🔊	Audible Alarm	On/Off switchable
ECO	ECO Mode	On/Off switchable
Backlight	Screen Backlight	Switchable between 100% and 5% brightness

03 Operation Button Definitions

ECO Light   CO₂ Calibration   °C/°F   ○ Reset

BUTTONS	DESCRIPTION
(ECO)	① Press once to turn the **ECO mode** on or off. When ECO mode is on, both the backlight and alarm light are turned off. ② Press and hold for 2 seconds to turn the device **on or off**.
(+)	① Press once to change the **backlight brightness** to its 100% or 5%. ② Press and hold for 2 seconds to turn on the **WiFi** function. ③ Press twice quickly to turn off the **WiFi** function.
(SET)	① Press once to switch the **temperature unit** between Celsius and Fahrenheit. (The default setting is ℉.) ② Press twice quickly to enter the setting of AQI/CO2/PM2.5 **alarm values** and **CO_2 auto calibration function**. ③ Press and hold for 2 seconds to turn the **AQI alarm** light on or off.
(−)	① Press twice quickly to enter the **time and date** setting. ② Press once to switch between 12-hour and 24-hour format **time display**. ③ Press and hold for 2 seconds to turn the **audible alarm** on or off.

Note: When the device is powered off, place it in a well-ventilated place, then press and hold both the ECO and SET buttons simultan -eously, the device will enter the CO_2 calibration mode, which takes 200 seconds. During the CO_2 calibration, please make sure that no one comes near the device to affect the calibration result.

04 Operation Instructions

◆ *4.1 Power On/Off*

Press and hold the ECO button for 2 seconds to turn the device on or off.

◆ *4.2 Set Time & Date*

Step 1: Press the ⊖ button twice quickly to enter the time setting, the month number will flash.

Step 2: Press the ⊕ or ⊖ button to increase or decrease the number, then press the SET button to confirm.

Step 3: The day number will flash. Press the ⊕ or ⊖ button to increase or decrease the number, then press the SET button to confirm.

Step 4: The hour number will flash. Press the ⊕ or ⊖ button to increase or decrease the number, then press the SET button to confirm.

Step 5: The minute number will flash. Press the ⊕ or ⊖ button to increase or decrease the number, then press the SET button to confirm.

◆ *4.3 Set AQI / CO_2 / PM2.5 Alarm Values and CO_2 Auto Calibration*

Step 1: Press the SET button twice quickly to enter the alarm setting, the AQI alarm value will flash.

Step 2: Press the ⊕ or ⊖ button to increase or decrease the number and press the SET button to confirm.

Step 3: After setting the AQI alarm value, the CO_2 alarm value will flash. Press the ⊕ or ⊖ button to increase or decrease the number and press the SET button to confirm.

Step 4: After setting the CO_2 alarm value, it will enter the setting of CO_2 auto-calibration. The character C-OF (CO_2 calibration off) or C-ON (CO_2 calibration on) will flash. Press the ⊕ or ⊖ button to switch the CO_2 auto-calibration function on or off, then press the SET button to confirm.

Please note that the ON or OF character will pause for 2 seconds during setting, this is a normal phenomenon. Please be patient and wait for it to flash.

Step 5: The PM2.5 alarm value will flash. Press the ⊙ or ⊙ button to increase or decrease the number and press the SET button to confirm.

◆ *4.4 WiFi Function On/Off*

Press and hold the ⊙ button for 2 seconds to turn on the WiFi function. Press the ⊙ button twice quickly to turn off the WiFi function. When the WiFi function is on, press and hold the ⊙ button for 2 seconds to reset the WiFi connection.

◆ *4.5 ECO Mode (when the ECO light is on)*

1. After operating the device, the sensor will detect in real time within 5 minutes;
2. After 5 minutes of inactivity, the sensor will detect once every 15 minutes;
3. After 1 hour of inactivity, the sensor will detect once every 1 hour;
4. If any operation or out-of-range data has occurred, the sensor will revert to state 1.When the ECO mode is off (the ECO light is off), the sensor detects data in real time.

Note: If there is no operation for 30 seconds, the unit will automatically save the setting and exit.

05 APP Installation & Connection

◆ *5.1 Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code below to download it directly.*

NOTE:

1. Your iOS devices must be running iOS 12.0 or above to download the app smoothly.
2. Your android devices must be running android 7.1 or above to download the app smoothly.
3. The device supports a 2.4GHz Wi-Fi router only.
4. APP Location Permission Requirement: We need to obtain your location information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security.

◆ *5.2 Registration*

Step 1: Registering an account is necessary before using the INKBIRD app for the first time.

Step 2: Open the app, select your Country/Region, and a verification code will be sent to you.

Step 3: Enter the verification code to confirm your identity, and the registration is complete.

◆ *5.3 How To Connect*

Step 1: Turn on both the Bluetooth and WiFi functions on your smartphone.

Step 2: Open the INKBIRD app and click "+" on the top right corner to add the device. Then, follow the app instructions to complete the connection.

Note:
1. Make sure that the device is placed as close to the smartphone and router as possible during the connection process.
2. All data exported from the application can only be in Celsius.

06 FCC Requirement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

07 Customer Service

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

INKBIRD TECH.C.L.

support@inkbird.com

Factory address: 6th Floor, Building 713, Pengji Liantang Industrial Area, NO.2 Pengxing Road, Luohu District, Shenzhen, China

Office address: Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China

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IC : 30368-IAQM129W

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