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› PERFORMANCE GURU AK23 16-in-1 Air Quality Monitor Instruction Manual

PERFORMANCE GURU AK23

PERFORMANCE GURU AK23 16-in-1 Air Quality Monitor

Instruction Manual

1. PRODUCT OVERVIEW

The PERFORMANCE GURU AK23 is a versatile 16-in-1 Air Quality Monitor designed to provide comprehensive real-time data on various indoor air parameters. This device helps you maintain a healthy living or working environment by continuously monitoring key air quality indicators.



Figure 1: The AK23 Air Quality Monitor displaying real-time data on a desk.

Key Features:

- **16-in-1 Multifunction:** Measures 7X AQI, CO₂, Temperature, Humidity, Formaldehyde (HCHO), Volatile Organic Compounds (VOC), PM1.0, PM2.5, and PM10.
- **Real-time Monitoring:** Resamples data every 1.5 seconds for continuous protection.
- **Buzzer Alarm:** Alerts you when air quality levels reach dangerous thresholds.
- **Colored Display:** High-resolution screen with color-coded values (green/yellow/red) for easy readability.
- **Battery-Powered:** Built-in high-capacity lithium battery provides up to 8 hours of continuous use, rechargeable via USB.
- **Compact Design:** Portable and lightweight, ideal for home, office, or travel.

2. WHAT'S IN THE BOX

Upon opening your product package, please ensure all items listed below are present and in good condition:

- 1 x PERFORMANCE GURU AK23 Air Quality Monitor
- 1 x USB Charging Cable
- 1 x User Manual (this document)

Product Parameters



Tip: Before using for the first time, please remove the screen protective film.

Item Model Number : **AK23**

Sampling Time : **1.5 s**

Accessories : **1pc USB Charging Cable**

Net Weight (with all accessories) : **0.49lb/226.7g**

Product Dimensions : **106x89x49mm/4.17x3.50x1.92in**

Accessories

x1 1m Charging Cable

(USB to Micro USB interface)



Figure 2: Package contents and product dimensions.

3. SETUP

Follow these steps to set up your AK23 Air Quality Monitor:

1. **Unboxing:** Carefully remove the monitor and all accessories from the packaging.
2. **Protective Film:** Before first use, gently remove the protective film from the screen.
3. **Charging:** Connect the provided USB charging cable to the USB Type-C port on the monitor and plug the other end into a compatible USB power adapter (not included) or a computer USB port. The battery indicator on the screen will show charging status. A full charge provides up to 8 hours of operation.
4. **Power On:** Long press the power button (usually located on the top or side) to turn the device on.

Cycle Battery

Long Battery Life, Say Goodbye to Frequent Charging



Built-in 2500mAh



USB-rechargeable



Working hours: 12 hours



Figure 3: The AK23 monitor connected to a USB charger.

4. OPERATING INSTRUCTIONS

The AK23 monitor features an intuitive display and simple controls for easy operation.

4.1 Display Interpretation

The high-resolution color screen displays all measured parameters independently. Each value is color-coded for quick assessment:

- **Green:** Good air quality.
- **Yellow:** Moderate air quality, caution advised.
- **Red:** Poor air quality, immediate action recommended.

The AQI (Air Quality Index) is represented by a bar at the bottom of the screen, changing color and indicating the overall air quality level.

Colored LCD Display & Beep Alarm

Always Caring for Your Respiratory Life



Figure 4: Detailed view of the colored LCD display and alarm thresholds.

4.2 Button Functions

The device features four control buttons, typically located on the top panel:

How to use ?

Long press to turn on or off.

How to calibrate?

Press and hold for 4 seconds while powered off.

Wait 10-15 seconds after hearing the beep.

How to turn off the beep?

Click the sound button to turn it on or off.

How to adjust the screen brightness?

Click the button to switch.

How to calibrate the time?

1. Click to toggle between "AM" and "PM."
2. Press and hold to enter "hour" and "minute" calibration. Increase or decrease.



Figure 5: Control buttons and their functions.

- **Power Button:** Long press to turn on or off.
- **Calibration Button:** Press and hold for 4 seconds while powered off. Wait 10-15 seconds after hearing the beep to complete calibration.
- **Buzzer Control:** Click the sound button to turn the buzzer on or off.
- **Brightness Adjustment:** Click the light bulb button to cycle through brightness levels.
- **Time Calibration:** Click to toggle between "AM" and "PM". Press and hold to enter "hour" and "minute" calibration. Use the up/down buttons (if available, or cycle through options) to adjust.
- **Temperature Unit Switch:** Briefly press the power button while the device is on to switch between Fahrenheit (°F) and Celsius (°C).

4.3 Buzzer Alarm

The built-in buzzer will sound when any monitored air quality level reaches a dangerous threshold. You can manually turn off the buzzer by pressing the dedicated sound button to avoid disturbance.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the 16-in-1 Air Quality Monitor's features, including PM2.5, CO2, Temperature, Humidity, and VOC monitoring.

5. APPLICATION RANGE

The compact and portable design of the AK23 Air Quality Monitor makes it suitable for various indoor environments:

- **Home:** Bedrooms, living rooms, kitchens, laundry rooms.
- **Office:** Workspaces, meeting rooms.
- **Plants:** Monitoring conditions for optimal plant growth.
- **Other Spaces:** Garages, warehouses, and other enclosed areas where air quality is a concern.



Figure 6: Examples of where the AK23 monitor can be used.

6. MAINTENANCE

To ensure the longevity and accuracy of your AK23 Air Quality Monitor, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Obstruction:** Ensure the air inlets and outlets are not blocked to allow for accurate readings.
- **Handle with Care:** Avoid dropping or subjecting the device to strong impacts.

7. TROUBLESHOOTING

If you encounter any issues with your AK23 Air Quality Monitor, please refer to the following common troubleshooting tips:

- **Inaccurate Readings:** Ensure the device is placed in an area with good air circulation, away from direct drafts or heat sources. Allow 10-15 minutes for the sensors to stabilize after powering on or moving to a new environment. Perform a calibration if readings seem consistently off.
- **Device Not Powering On:** Check if the battery is charged. Connect the device to a power source using the USB cable and try again.
- **Buzzer Not Working/Constantly Beeping:** Check the buzzer control setting. If constantly beeping, it indicates poor air quality; ventilate the area.
- **Display Issues (e.g., flickering, incorrect time):** Try restarting the device. If time is incorrect, recalibrate it using the time calibration instructions.

If the problem persists, please contact customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	PERFORMANCE GURU
Model Number	AK23
Power Source	Battery Powered (1 Lithium Ion battery included)
Battery Life	Up to 8 hours continuous use
Charging Interface	USB Type-C
Color	Soft Black
Product Dimensions	106x89x49 mm (4.17"D x 3.5"W x 1.9"H)
Item Weight	14.4 ounces
Alarm Type	Audible Buzzer
Sampling Time	1.5 seconds

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact PERFORMANCE GURU customer service directly. Keep your purchase receipt as proof of purchase.