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› LifeBasis 10-in-1 Indoor Air Quality Monitor User Manual (Model HAQ66)

LifeBasis HAQ66

LifeBasis 10-in-1 Indoor Air Quality Monitor User Manual

Model: HAQ66 | Brand: LifeBasis

1. INTRODUCTION

Thank you for choosing the LifeBasis 10-in-1 Indoor Air Quality Monitor. This device is designed to provide real-time monitoring of various air quality parameters, helping you maintain a healthy environment in your home, office, or school. Please read this manual thoroughly before use to ensure proper operation and to maximize the device's lifespan.

Professional **10-in-1** Real-Time Air Quality Monitor



Image: The LifeBasis 10-in-1 Air Quality Monitor, showing its comprehensive monitoring capabilities for AQI, Temperature, Humidity, CO2, PM2.5, PM10, TVOC, PM1.0, HCHO, and Particle Count.

2. SAFETY INFORMATION

To ensure safe and effective use of your air quality monitor, please observe the following precautions:

- **Avoid Immersion:** Do not place the device in a bathroom or any location where it might be submerged in water.
- **Prevent Strong Shocks:** Avoid strong impacts or vibrations, such as dropping the device.
- **Keep Away from Volatile Substances:** Do not place the product near volatile substances that could interfere with measurements, such as perfumes, alcohol, cooking fumes, or mosquito coils.
- **Do Not Insert Objects:** Do not insert sharp, flammable, or metallic objects into the monitor or its air sampling ports to prevent short circuits, electrical discharges, or burns.



Image: Visual representation of safety guidelines for the air quality monitor, including warnings against water, impact, volatile chemicals, and foreign objects.

3. PRODUCT OVERVIEW

3.1. Package Contents

Upon unpacking, ensure all items are present:

- 1 x Air Quality Monitor
- 1 x Instruction Manual
- 1 x Type-C Cable

What's in the package?

1 x Air Quality Monitor

1 x Instruction Manual

1 x Type-C Cable



Image: The air quality monitor, its instruction manual, and a USB-C charging cable, as included in the product package.

3.2. Device Components and Display

Familiarize yourself with the device's layout and display indicators:

Clear LCD Display

Clearly displayed data helps you understand the indoor air quality more easily

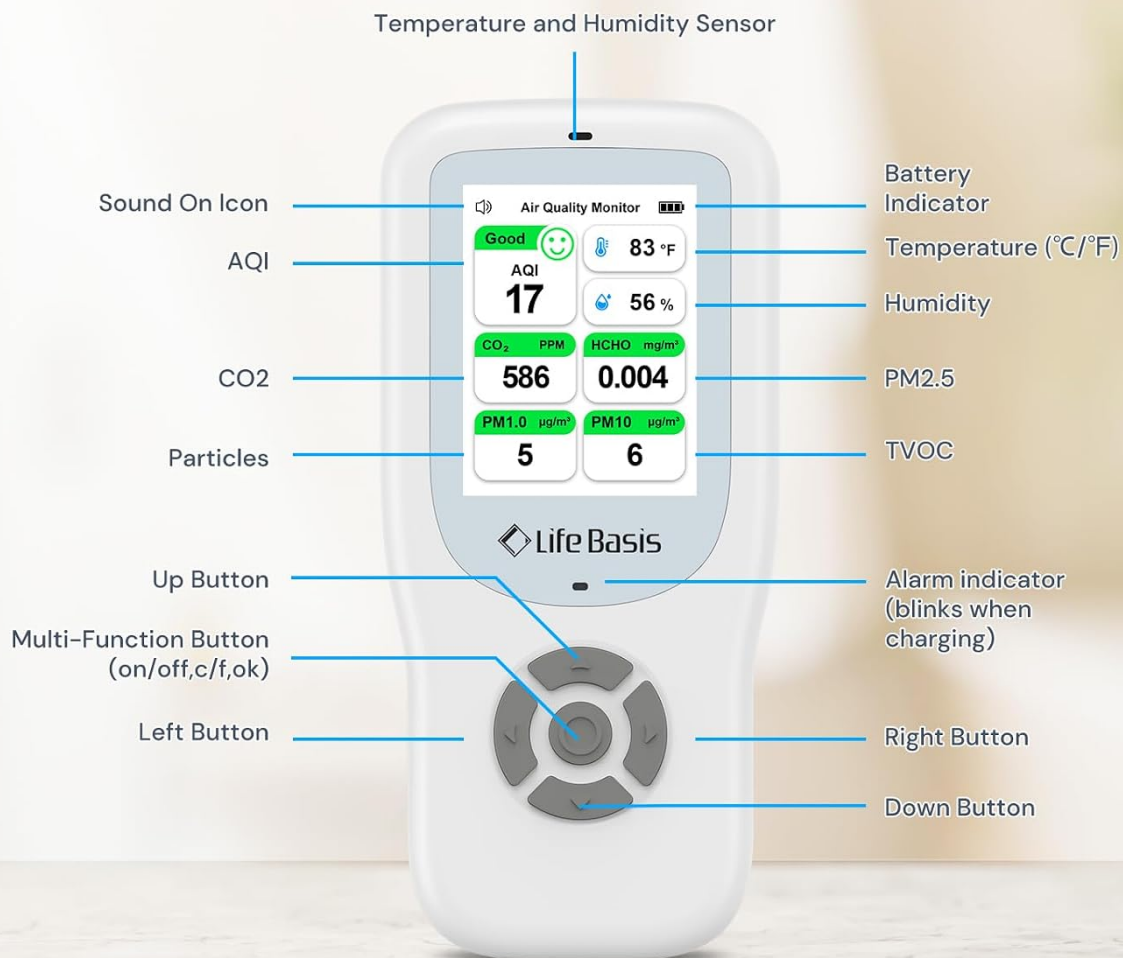


Image: A detailed diagram showing the various elements of the monitor's display, including AQI, CO2, PM2.5, PM1.0, PM10, TVOC, HCHO, Temperature, Humidity, Battery Indicator, Sound On Icon, and the Up, Down, Left, Right, and Multi-Function buttons.

- **Temperature and Humidity Sensor:** Located at the top of the device.
- **Battery Indicator:** Shows current battery level.
- **Temperature (°C/°F):** Displays ambient temperature.
- **Humidity:** Displays ambient humidity percentage.
- **PM2.5:** Particulate Matter 2.5 micrometers.
- **TVOC:** Total Volatile Organic Compounds.
- **Alarm Indicator:** Blinks when charging.
- **Up Button:** Navigation and function selection.
- **Multi-Function Button (on/off, c/f, ok):** Power, temperature unit toggle, confirmation.
- **Left Button:** Navigation and function selection.
- **Right Button:** Navigation and function selection.
- **Down Button:** Navigation and function selection.
- **Sound On Icon:** Indicates if sound is active.

- **AQI:** Air Quality Index.
- **CO2:** Carbon Dioxide concentration.
- **HCHO:** Formaldehyde concentration.
- **Particles:** General particle count.
- **PM1.0:** Particulate Matter 1.0 micrometers.
- **PM10:** Particulate Matter 10 micrometers.

4. SETUP

4.1. Initial Charging

Before first use, fully charge the device using the provided USB-C cable. A full charge takes approximately 6 hours and provides 11-12 hours of standby time or up to 12 hours of continuous monitoring.



Image: The air quality monitor being charged via its USB-C port, highlighting its 2500 mAh integrated battery, 6-hour charging time, and 11-12 hour standby time.

4.2. Powering On/Off

To power on or off the device, press and hold the Multi-Function button.

5. OPERATION

5.1. Basic Controls

- **Power ON/OFF:** Press and hold the Multi-Function button.
- **Change Temperature Units (°C/°F) or Confirm:** Single press the Multi-Function button.
- **Select Function or Adjust Brightness:** Single press the Up/Down button.
- **Sound ON/OFF:** Press and hold the Left button.
- **Enter Settings Interface:** Press and hold the Left and Right buttons simultaneously.

MULTI-FUNCTION BUTTON



POWER ON/OFF

Press and hold the multifunction button



CHANGE TEMPERATURE UNITS BETWEEN °C AND °F OR CONFIRM

Single press the multifunction button



OR

SELECT FUNCTION OR BRIGHTNESS INCREASE/DECREASE

Single press the up/down button



SOUND ON/OFF

Press and hold the left button



AND

ENTER THE SETTINGS INTERFACE

Press and hold the left and right buttons simultaneously



Image: Instructions for using the multi-function button for power, temperature unit selection, and accessing settings, along with the up/down buttons for function selection and brightness adjustment.

5.2. Real-Time Monitoring

The device continuously monitors 10 essential air quality parameters. The display will show readings for AQI, CO₂, PM1.0, PM2.5, PM10, TVOC, HCHO, Particles, Temperature, and Humidity.

To cycle through different display modes for PM2.5, Particles, and TVOC, press the Left or Right button once. These values will alternate with HCHO, PM1.0, and PM10.

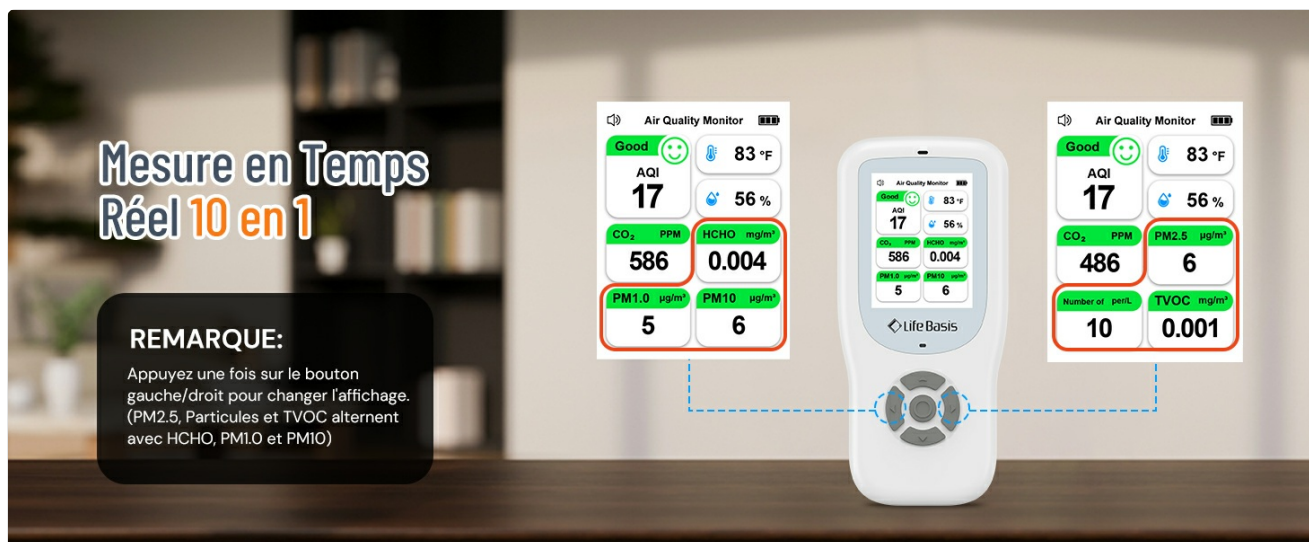


Image: The monitor's screen showing real-time data for CO₂, HCHO, PM1.0, PM10, PM2.5, and TVOC, demonstrating the ability to switch between different displayed metrics.

5.3. Alarms and Indicators

The monitor features intuitive visual and audible alarms. The display uses color-coded icons (Green to Red) to indicate air quality levels. If safety thresholds are exceeded, an audible alarm will sound, the indicator light will flash, and the interface color may change.

Default alarm values are:

- AQI: 100
- CO₂: 1500 PPM
- PM1.0: 75 µg/m³
- PM2.5: 75 µg/m³
- PM10: 150 µg/m³
- HCHO: 0.1 mg/m³
- TVOC: 0.5 mg/m³

Multicolor Indicator

The color of the indicator will immediately let you know the air quality, and once it exceeds the alarm value, a ticking alarm will sound.



Image: The monitor's display showing PM2.5 readings and corresponding color indicators (Green for Good, Yellow for Moderate, Orange for Poor, Red for Unhealthy), along with an alarm icon.

6. CALIBRATION

For optimal accuracy, especially for CO₂, HCHO, and TVOC sensors, calibration is recommended upon first use and periodically thereafter. Perform calibration in a fresh air environment.

6.1. CO₂ Calibration Procedure

1. Charge the device for 5 minutes before its first use.
2. With the power on, place the device in a well-ventilated area for more than 10 minutes.
3. Select "Yes" in the calibration interface to proceed with calibration. The calibration will be completed with a long beep.



Image: A visual guide to the CO2 calibration process, showing the device's screen with step-by-step instructions for charging, placing in fresh air, and confirming calibration.

Expert Tip: If there is a significant variation in readings due to strong odors (e.g., perfumes, cooking fumes), a simple restart in fresh air can help restore laboratory-level precision.

7. UNDERSTANDING AIR QUALITY READINGS

The device measures various parameters. Refer to the table below for a general understanding of air quality levels based on common pollutants.

Core Gas Index Reference Table

GAS	AQI	PM1.0	PM2.5
GOOD	0~49	0~34	0~34
MODERATE	50 ~99	35~74	35~74
POOR	100~ 149	75~149	75~149
UNHEALTHY	ABOVE 150	ABOVE 150	ABOVE 150
UNIT			

GAS	PM10	CO2
GOOD	0~49	400 ~799
MODERATE	50~ 149	800~1199
POOR	150 ~ 249	1200 ~ 1599
UNHEALTHY	ABOVE 250	ABOVE 1600
UNIT		

GAS	HCHO	TVOC
GOOD	0~0.049	0~0.299
MODERATE	0.050 ~ 0.099	0.3 ~0.499
POOR	0.1 ~0.149	0.5 ~0.999
UNHEALTHY	ABOVE 0.15	ABOVE 1
UNIT		



Image: A comprehensive table outlining the different air quality levels (Good, Moderate, Poor, Unhealthy) for various gases and particulate matter, including their respective measurement units and value ranges.

Core Gas Index Reference Table

Gas	AQI	PM1.0 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	CO2 (PPM)	HCHO (mg/m³)	TVOC (mg/m³)
Good	0-49	0-34	0-34	0-49	400-799	0-0.049	0-0.299
Moderate	50-99	35-74	35-74	50-149	800-1199	0.050-0.099	0.3-0.499
Poor	100-149	75-149	75-149	150-249	1200-1599	0.1-0.149	0.5-0.999
Unhealthy	Above 150	Above 150	Above 150	Above 250	Above 1600	Above 0.15	Above 1

8. MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the air intake and exhaust ports are free from dust and obstructions.
- Store the device in a cool, dry place when not in use.
- Regularly charge the device to maintain battery health, even if not used frequently.

9. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Device does not power on.	Low battery or device is off.	Charge the device fully. Press and hold the Multi-Function button to power on.
Inaccurate readings (especially HCHO/TVOC).	Device needs calibration or is affected by strong odors.	Perform calibration in fresh air. If affected by odors, restart the device in a well-ventilated area.
Audible alarm sounds frequently.	Air quality parameters exceed default thresholds.	Check the readings and ventilate the area. You may adjust alarm thresholds in settings if available.
Screen is dim or unreadable.	Brightness setting is too low.	Use the Up/Down buttons to adjust screen brightness.

10. SPECIFICATIONS

- **Brand:** LifeBasis
- **Model:** HAQ66
- **Power Source:** Battery Powered (2500 mAh integrated battery)
- **Charging:** USB-C, approx. 6 hours for full charge
- **Battery Life:** Up to 12 hours continuous monitoring
- **Color:** White
- **Alarm Type:** Audible, Visual
- **Monitored Parameters:** AQI, CO2, PM1.0, PM2.5, PM10, TVOC, HCHO, Particles, Temperature, Humidity
- **Sensors:** NDIR infrared (CO2), Laser particle, Semiconductor, Photoelectric, Temperature/Humidity
- **Country of Origin:** China

11. WARRANTY AND SUPPORT

LifeBasis products are designed for reliability and performance. For any questions, technical support, or warranty claims, please contact LifeBasis customer service through your purchase platform or the official LifeBasis website.

Please retain your proof of purchase for warranty purposes.
For more information, visit the official [LifeBasis Store](#).