



# EXT-KA-SE100

Smart Air Quality Monitor



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# EXT-KA-SE100 User Manual

## What's Included



EXT-KA-SE100



EXT-KA-SE100 sensor modules x 2



Faceplate



Drywall screws and anchors (4 pairs)



Backplate screw



USB-C cable



Charger



Charger adapters x 5



User manual



Certificate of calibration and testing



ESD bag

## Important Safeguards

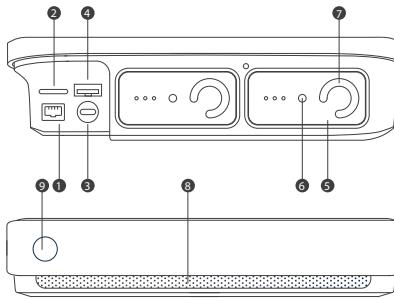
Please read the safety warnings before use and take the necessary precautions to reduce the risk of fire, electric shock, or injury.

### WARNING

- To reduce safety risks, always use service personnel from the manufacturer or service provider, or other qualified personnel for installation and maintenance.
- Make sure the power is OFF during installation or maintenance.
- DO NOT tamper with or use nonofficial spare parts for repair or maintenance.
- DO NOT use the device in environments with high humidity or possible direct exposure to water.
- DO NOT use the device in an outdoor environment.
- DO NOT use the device near heat sources such as radiators, furnaces, ovens, or stoves.

## Getting Started

The EXT-KA-SE100 is a building-grade air quality monitor. This user manual will provide a basic guide to its first use.



① Ethernet port

② MicroSD card slot\*

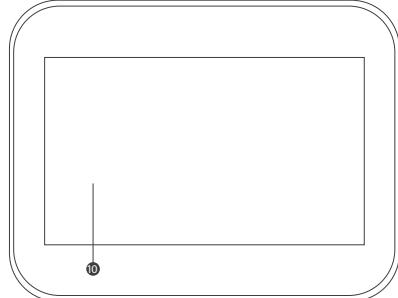
③ USB-C port

④ USB-A port

⑤ Module

⑥ Module status light

\*32GB maximum



⑦ Air intake

⑧ Air intake

⑨ Power button

⑩ Touchscreen

## Externals and Air Flow

Air is drawn into the EXT-KA-SE100 from both the modules on the lower side, as well as the air intake on the upper side. It is vital that neither side of the device is covered. Any changes in airflow may affect the readings and accuracy.

## Power and Connectivity

### Power:

USB-C: Only use the cable and charger/adapter supplied with the device

### Connectivity:

2.4GHz Wi-Fi (802.11b/g/n)

Ethernet

## Sensor Modules

The EXT-KA-SE100 utilizes a modular design to allow for easy control and replacement of sensors. A CO<sub>2</sub> sensor is built into the core of the device, and a variety of other sensors may be inserted using the two sensor bays on the lower side of the device.

To insert a sensor module, simply slide it into the bay, ensuring the Belimo logo on the aluminium casing is facing the front of the EXT-KA-SE100. When inserted correctly, the module will click into place, and an LED light on the module's front will briefly flash.

To remove a module, gently push on the left side of it. The module will slide further into the bay, before popping out. Do not push on the air intake of a module to remove it.

Sensors may be inserted in either sensor bay, and in any order. They may be swapped both when the EXT-KA-SE100 is powered on and operational, and when the device is turned off. We recommend inserting EXT-KA-KM100 on the left and EXT-KA-KM103 on the right across all your devices.

By default, the EXT-KA-SE100 is shipped with the EXT-KA-KM100 and EXT-KA-KM103 sensor modules, which together measure PM<sub>2.5</sub>, TVOC, temperature, and relative humidity.

### Sensor Module Status Light Indications:

Steady OFF	Sensor working normal
Flash once	Sensor module successfully inserted
Steady ON	Sensor module needs to be changed

## Installation

The EXT-KA-SE100 may be used as a portable device, or mounted on a wall.

## Control

Before turning the EXT-KA-SE100 on for the first time, connect it to a power source using the USB Type-C cable and adapter supplied. Upon connection to power, a battery level will be displayed on the screen. Ensure that the battery level is above 50% before powering on for the first time.

Power on the device by holding down the power button for 10 seconds, until the Belimo logo appears on the screen. Follow the instructions on the screen to set up the device.

# EXT-KA-SE100 用户手册

## 包装清单



EXT-KA-SE100

EXT-KA-SE100  
传感器模块 x 2

面板



墙壁螺丝组合 x 4 对



背板螺丝



USB-C 线



充电器



插座转换器 x 5



用户手册



校准和测试证书



防静电袋

## 重要预防措施

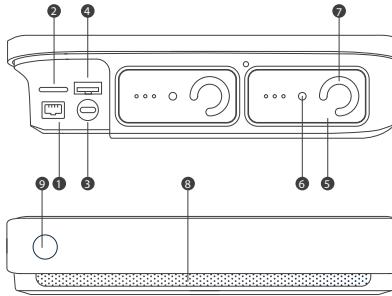
请在使用前阅读安全须知，并采取必要预防措施来降低火灾、电击或受伤的风险。

### 安全须知

- 为了避免危险，必须始终由制造商、服务代理商或有资质的人员进行安装、维护等操作。
- 安装与维护前，请确保电源已断开。
- 请勿以任何方式改造或使用非官方配件维修设备。
- 请勿将设备置于高湿度环境或可能直接接触水的位置。
- 请勿将设备置于室外。
- 请勿将设备放在散热器、壁炉、烤箱、炉灶等热源附近。

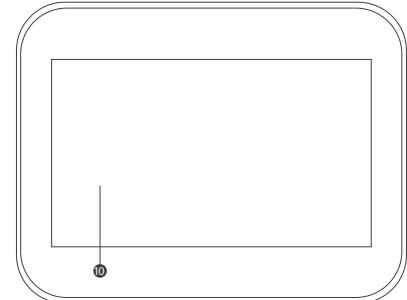
## 开始使用

EXT-KA-SE100 是一款商用空气质量监测仪。此手册为用户首次使用设备提供指导。



① 以太网口  
② MicroSD卡插槽\*  
③ USB-C端口  
④ USB-A端口  
⑤ 传感器模块  
⑥ 传感器模块指示灯  
⑦ 传感器进气口  
⑧ 传感器进气口  
⑨ 开关键  
⑩ 触摸屏

\*最大 32GB



## 外观和空气流动

EXT-KA-SE100 的进气口位于设备的上方和下方，使用时请确保设备的任何一侧都不能被覆盖。气流的变化可能影响 EXT-KA-SE100 的读数及准确性。

## 供电和联网方式

EXT-KA-SE100 提供多种供电和联网选择：

### 供电：

- USB-C:仅可使用设备随附的数据线及充电器或适配器

### 联网：

- 2.4GHz Wi-Fi(802.11 b/g/n)
- 以太网:用于通过以太网进行数据传输

## 传感器模块

EXT-KA-SE100 采用模块化设计，便于控制及更换传感器。其中，二氧化碳传感器内置于设备，设备下方的两个传感器凹槽可用于装载各种其他的传感器模块。

安装传感器模块时，只需将传感器轻轻压入凹槽内，确保铝制外壳上的 Belimo 标志朝外。当正确安装后，模块将被锁定于凹槽内，如设备已经接入电源，模块凹槽上方的模块状态指示灯会短暂亮起且呈红色。

如需拆卸模块，轻轻按压传感器模块左侧指示灯位置，传感器会自动弹出，即可从槽内移出模块。请不要按压右侧风扇位置。

传感器模块可以安装到任何一个传感器凹槽中，并且任意顺序安装均可。传感器模块在 EXT-KA-SE100 开机运行时以及关闭时均可进行更换。

默认情况下，EXT-KA-SE100 随机附带 EXT-KA-KM100 和 EXT-KA-KM103 传感器模块，  
EXT-KA-KM100 模块检测PM<sub>2.5</sub>，EXT-KA-KM103 传感器模块检测TVOC和温湿度。

### 传感器模块状态指示灯含义：

指示灯灭	传感器模块工作正常
指示灯闪一次	传感器模块成功安装
指示灯亮	传感器模块需要更换

## 设备控制

首次打开 EXT-KA-SE100 之前，请使用随附的 USB Type-C 电缆和电源适配器将其连接到电源。接通电源后，屏幕上将显示电池电量。首次通电前，请确保电池电量在 50% 以上。

按住电源按钮 10 秒钟打开设备电源，直到 Belimo 徽标出现在屏幕上，请按照屏幕上的说明进行设置。

## 安装 EXT-KA-SE100

**重要:** 关于产品安装说明、供电以及联网设置等更多信息。