



**inBiot**  
Sense your building



# MICA Lite

## Datasheet

V1.1. (05/05/2022)

# General

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## General characteristics

MICA Lite

For indoor use only

Leds to show air status

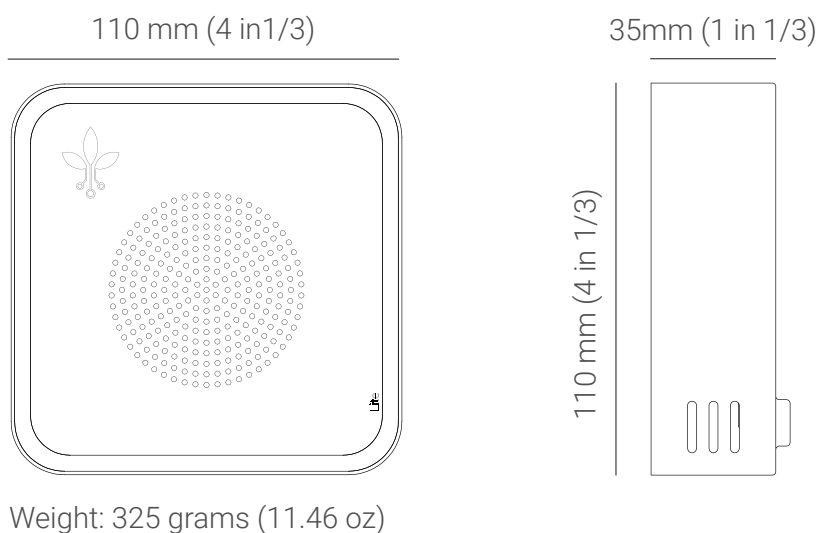
Power:

- Fast connector 230VAC 50Hz for wall installation
- Magnetic connector (5V 1A) for desk usage

Finishes:

- Beech wood cover
- Anodised aluminium housing in light grey matte finish

## Size and weight



## Connectivity

"My inBiot" IoT platform.

Wi-fi 802.11 b/g/n/e/ i (802.11n @ 2.4 GHz up to 150 Mbit/s)

Touchpad

ModBus

GSM/GPRS (Optional)

## Status LED

**Green:** Ventilation is not needed

**Yellow:** Ventilation is recommended

**Red:** Ventilation is needed

Status led can be disconnected.

# Sensors

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## Temperature

Measurement unit: °C (°F)  
Range: 0 - 90 °C (32 °F - 194 °F)  
Accuracy: ± 0.5 °C (± 0.89 °F)

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## Humidity

Measurement unit: %RH  
Range: 0 - 100 %  
Accuracy: ± 2 %

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## CO<sub>2</sub>

Sensor: NDIR  
Measurement unit: ppm  
Range: 0 - 5000 ppm  
Accuracy: ±(50 + 5%) ppm  
Calibration: Each 10 years\*

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## PM<sub>2,5</sub>

Sensor: Particles laser  
Measurement unit: µg/m<sup>3</sup>  
Range: 0 - 1000 µg/m<sup>3</sup>  
Accuracy:

- < 35 µg/m<sup>3</sup>: ±5 µg/m<sup>3</sup>
- > 35 µg/m<sup>3</sup>: ±15% of the measurement

Calibration: Each 4 years\*

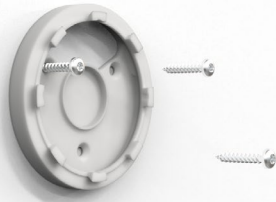
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## Rules of use

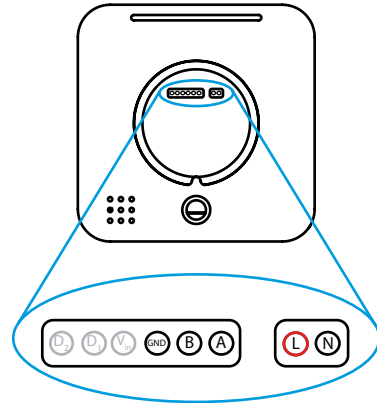
1. Do not blow directly to the device. Accuracy and lifetime of the sensors is not guaranteed when the device is in outdoors.
2. Sensors calibrated by the factory. It guarantees measurement accuracy when the ventilation renewal is not exceeded. Maintenance is not needed during the lifetime for each sensor.
3. For any queries, contact with our support team: [support@inbiot.es](mailto:support@inbiot.es)

# Installation

01



02



03



04



## Wall mounting

(More details in the installation manual)

1. Screw the wall support to the wall by drilling holes in the wall or using the holes of a universal flush-mounting box.
2. Connect the line and neutral cables and the communication cables depending on the model.
3. Rotate the MICA slightly to the right to attach it to the wall bracket.
4. Finally, rotate it to the left so that the MICA is well aligned and fixed.

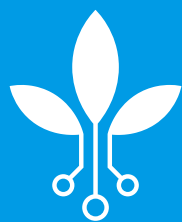
# Rules of use

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## Rules of use

1. To configure your MICA, follow the steps indicated in our [video tutorial](#).
2. Except for temperature and humidity, MICA's sensors require pre-heating. That is why, after connecting the MICA, it will take some minutes to show measured values in My inBiot.
3. CO2 sensor works under an auto-calibration algorithm each 24-48h. Therefore, please try to keep your MICA in a frequently ventilated space.
4. All sensors are calibrated by the sensor manufacturer itself, with its corresponding warranty. Maintenance is not needed during the lifetime for each sensor.
5. Do not blow directly to the device. Accuracy and lifetime of the sensors is not guaranteed when the device is outdoors.
6. Designed for indoor use only. Outdoor exposure may result in irreversible damages.
7. For any queries, contact with our support team in [support@inbiot.es](mailto:support@inbiot.es)



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