



Laserliner AirMonitor CO2 Measuring Device Instructions

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Laserliner

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Laserliner AirMonitor CO2 Measuring Device



Completely read through the operating instructions, the „Warranty and Additional Information“ booklet as well as the latest information under the internet link at the end of these instructions. Follow the instructions they contain. This document must be kept in a safe place and passed on together with the device.

Function / Application

This measuring device determines and assesses the CO₂ level in indoor air. There are four categories for the measured value: high, average, moderate and poor indoor air quality. This is displayed with an easy-to-understand symbol. The user is provided with both an optical and acoustic signal for the two lowest levels as well as a ventilation recommendation. Other functions include humidity, temperature and time displays.

General safety instructions

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- The structure of the device must not be modified in any way.
- Do not expose the device to mechanical stress, extreme temperatures or significant vibration
- Stop using the device if one or a number of its functions fails.
- This device is to be used in enclosed spaces only; do not expose to moisture or rain as this may result in electric shock.
- Use only genuine accessories. Use of inappropriate accessories will invalidate the warranty.

- To avoid the risk of fire, electric shock or personal injury never use extension cables as well as accessories not approved by the manufacturer in connection with the battery charger.

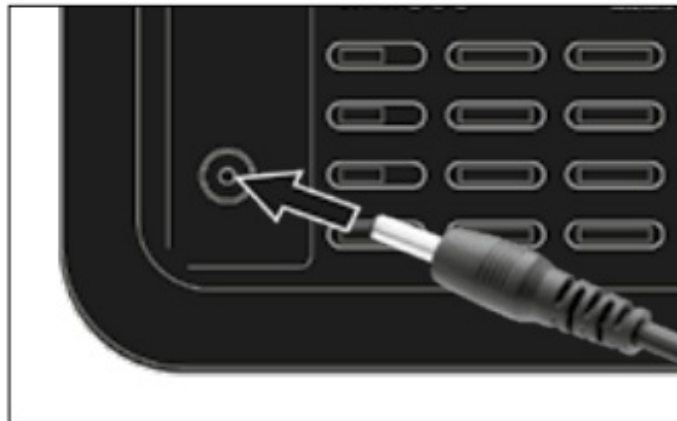
Safety instructions

Dealing with electromagnetic radiation

- The measuring device complies with the provisions and limit values for safety and electromagnetic compatibility in accordance with the Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/EU.
- Umarex GmbH & Co KG hereby declares that the electronic device AirMonitor CO2 complies with the requirements and other conditions of the European Low Voltage Directive 2014/35/EU (LVD) and the EMC Directive 2014/30/EU.
- The complete text of the EC declaration of conformity is available at the following internet address:
<http://laserliner.com/info?an=AKP>

Operation with power supply unit

The device is operated using the power supply unit provided.



1. Carbon dioxide indicator display (CO2) (emoji/ventilation symbol)
2. Acoustic alarm
3. Temperature display: unit of measurement °C
4. Time display in 12/24 hour mode
5. Measured CO2 value display
6. Humidity display



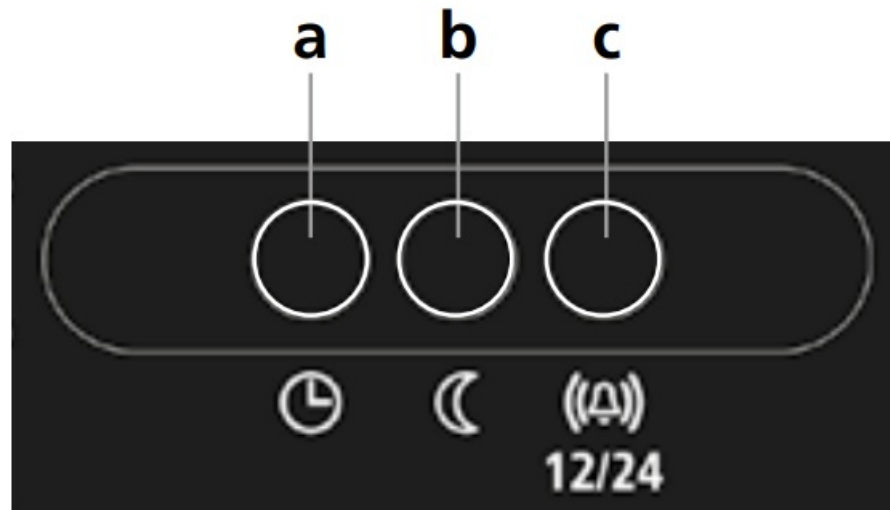
AirMonitor CO2



- a Clock button for setting the time
- b Night mode button for dimming the display at night
- c Alarm button ON/OFF Hours button for switching between 12 and 24 hour clock modes
- d Power supply connection

Set time

1. Hold down 'Clock' button (a) for 3 seconds. Hours display flashes.
2. To set the minutes, press the 'clock' button (a).
3. To set hours/minutes, use the 'night mode' (b) and 'alarm' (c) buttons.



Calibration

This measuring device self-calibrates automatically.

PPM explanation

The CO₂ content of the air is given in the unit 'parts per million', abbreviated to 'ppm'. The four quality levels correspond to the European standard EN 13779 for evaluating indoor air quality as a function of the CO₂ content.

Carbon dioxide indicator display (CO₂)

PPM	PPM	PPM	PPM
< 801	> 801 ~ 1000	> 1001 ~ 1400	> 1401 ~ 9999
		Alarm signal tone Ventilation required	Alarm signal tone Ventilation urgently required

Information on maintenance and care

Clean all components with a damp cloth and do not use cleaning agents, scouring agents and solvents. Store the device in a clean and dry place. Maintenance work may only be carried out by qualified maintenance personnel. Maintenance is required if the device is damaged in any way, for example, if the power cable or plug are damaged, there has been ingress of liquids or foreign bodies into the device, if the device has been rained on or subjected to moisture, if it is no longer functioning correctly, or has been dropped.

Note: Local operating restrictions – for example, in hospitals, aircraft, petrol stations or in the vicinity of people with pacemakers – may apply. Electronic devices can potentially cause hazards or interference or be subject to hazards or interference.

Technical data

(Subject to technical changes without notice. Rev21W18)

Variable	Carbon dioxide (CO ₂) concentration Ambient temperature, Humidity
Ambient temperature Measuring range Accuracy	-9,9°C ... 50°C ± 1°C
Humidity Measuring range (relative) Accuracy (absolute) Humidity (relative)	0% ... 100% ± 3% (30% ... 70%) ± 5% (0% ... 30%, 70% ... 100%)
Carbon dioxide (CO₂) Measuring range Accuracy	400 ... 9999 ppm ± 50 ppm
Power supply	5V/DC / 1A power supply
Operating conditions	0°C ... 40°C, max. humidity, 80% rH, no condensation, max. working altitude 2000 m above sea level
Storage conditions	-10°C ... 60°C, max. humidity, 80% rH, no condensation
Dimensions (W x H x D)	90 x 91 x 33 mm
Weight	130 g


EU directives and disposal

This device complies with all necessary standards for the free movement of goods within the EU.
This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.
Further safety and supplementary notices at: <http://laserliner.com/info?an=AKP>

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 The image shows a black, rectangular digital CO2 measuring device. The top of the device has a small LCD screen displaying '34.8' and '100'. Below the screen are several buttons and a small display showing 'CO2'. The device is labeled 'Laserliner' at the bottom.	<p>Laserliner AirMonitor CO2 Measuring Device [pdf] Instructions</p> <p>AirMonitor CO2 Measuring Device, AirMonitor CO2, AirMonitor Measuring Device, Measuring Device</p>
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References

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