



# Stale air is so last year

OBJECTIVE EVALUATION OF THE ROOM CLIMATE

- Preventing mold formation
- Increasing the productive efficiency
- Maintaining comfort
- Measuring wellness

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# Room Climate Monitor RM 100

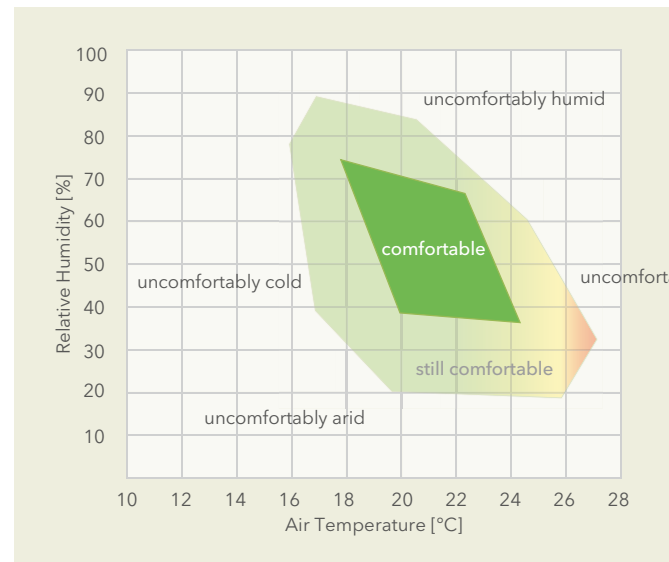
## Measuring wellness

The room climate describes the sum of the influences on the **comfort** of persons while being indoors. It is an essential component of the **quality of living conditions** and comfort, and is determined mostly by the **air temperature** and **humidity**, as well as the **CO<sub>2</sub> value**. The room climate monitor **RM 100** measures these.



## Maintaining comfort

Temperature and humidity set narrow boundaries for the **comfort**. The room climate monitor **RM 100** shows both and helps creating optimal conditions.



## Preventing mold formation

Most of the time, the air humidity is detected by persons only when reaching extreme values. Often, it is already too late by then and the condensation of high air humidity leads to **mold formation** at cool surfaces. This may lead to **corrosion** of structural elements and **physical stress** of the inhabitants. The room climate monitor **RM 100** helps detecting excessive air humidity **in good time**.



Room climate monitor RM 100 with clear display indicating the CO<sub>2</sub> value in the air

For more information please contact us:

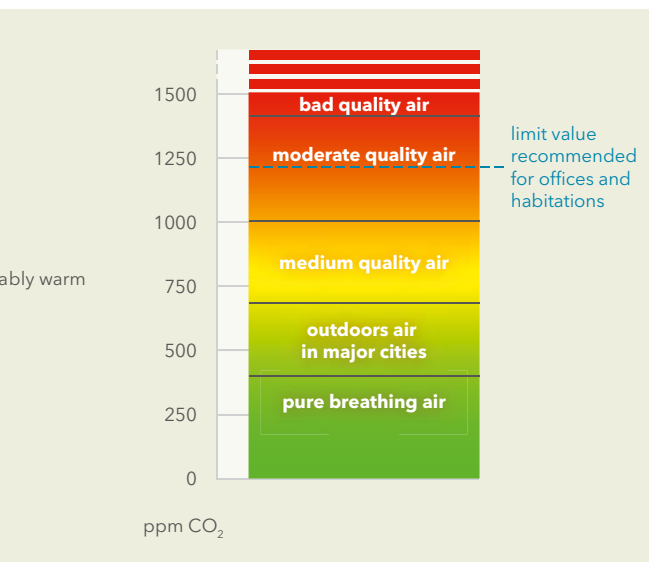
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## Evaluating the room climate

An increasing CO<sub>2</sub> value worsens the **coziness** and **productive efficiency**. The room climate monitor **RM 100** helps evaluating the quality of the room climate **objectively**.

## Increasing the productive efficiency

The climate in office rooms has a critical impact on the **productive efficiency** and **health** of employees. An improvement of the room climate can increase the productivity by **up to 15 %**, while at the same time decreasing the risk of **respiratory diseases** dramatically. The room climate monitor **RM 100** helps attaining this goal.



measurement display and three LEDs

## Detecting a bad atmosphere

Frequent venting and vegetating the office room improve the room climate **quickly and straightforward** to some extent. The challenge is to measure the **“thick air”** objectively, and most of all: to be aware of it. The **lingering decrease** of air quality is often not perceived, although its negative impact is there. The room climate monitor **RM 100** then sounds the alarm - but only if required. This way, excessive venting can be prevented, reducing **energy costs**.

## Clear measurement display

The room climate monitor **RM 100** measures the air temperature and humidity as well as the CO<sub>2</sub> value. The measurements are clearly visible in the **large, illuminated display**. In addition, three **LEDs** indicate the CO<sub>2</sub> value in the air as good, medium or bad, respectively.



## Acoustic Alarm

When the limit for the CO<sub>2</sub> value is exceeded, the room climate monitor **RM 100** will raise an **acoustic alarm** - then it's high time to vent. This alarm tone can be muted permanently via the **MUTE-button**.

## Calibration certificate

Every room climate monitor **RM 100** is shipped with a **certificate of calibration**. This is proof of the **accuracy** and **reliability** of your device.

## Technical Data:

Measurement range CO <sub>2</sub>	0 ... 3000ppm
Measurement range temp.	0°C ... +50°C
Measurement range humidity	20% ... 90%rH
Operation temperature	0°C ... +50°C
Storage temperature	-20°C ... +60°C
Power supply	USB or 5V-Adapter (included)
Dimensions	137 x 99 x 29mm
Weight	200g

## How to order:

Type	Description	Part No.
RM 100	Room climate monitor	1348-0001

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