W&T connects
Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

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Data sheet:

timeair

Article no.: 97200

EUR 166.39

*Net price for
commercial users

Appropriate ventilation based on actual CO_2 values

The timeair measures the CO_2 concentration in the ambient air and uses that to determine when the next air exchange needs to occur.

In daycare centers and schools, meeting and event spaces, but especially also in areas that are highly frequented it is difficult to have an overview of the correct ventilation measured. The timeair gives you room air feedback in real time and triggers alarms based on measured values instead of using a CO_2-independent timer.

Compared with CO_2-only sensors the timeair indicates not only the current carbon dioxide content of the ambient air, but also uses 12 LEDs to indicate the remaining time until a critical limit is reached. This can then be individually configured over a range of from 700 to 3000 ppm (The RKI recommended limit is 1000 ppm.) When this value is reached, visual and optional acoustic signals are generated.

Properties

Sensor:

- **CO_2 sensor:**
  - Measuring range: 0-5000 ppm CO_2
  - Display range: 400-5000 ppm CO_2

Functionality:

- **Remaining time display:**
  - 12 LEDs for displaying the last hour and numerical 7-segment display for indicating the last two hours before ventilation and for alarm signaling
    (Patent applied for)

- **LED traffic light:**
  - For visual indication of the air quality

- **Alarm function:**
  - 7-segment display for optional indication of the current CO_2 value.
  - Alarm beeper can be enabled

- **Possible applications:**
  - Monitor CO_2 values in the office, meeting rooms, schools etc.

Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

- **2 year guarantee**

Wish for something!
Your suggestions for improvement and additions

Technical data

Connections and displays:

Sensor:	CO_2 air quality measurement
Supply voltage:	DC 5V over Micro-USB socket
Supply connection:	Micro-USA socket
Current consumption:	typ. 200mA @5V DC
Displays:	LED 7-segment display for measurement value and remaining time LED color ring for indicating remaining time and alarm LED CO_2 indicator lights
Operating elements:	3 touch sensors for device configuration

Measuring unit:

Measuring range:	0-5000 ppm CO_2
Display range:	400-5000 ppm CO_2
Resolution:	1 ppm CO_2
Measuring error:	Air quality (400-5000 ppm): max. ±100 ppm +5% of the measured value
Measuring frequency:	10s

Housing and other data:

Housing:	Compact plastic housing for wall mount or magnetic attachment to a whiteboard or similar $\varnothing$88mm x 18.9mm
Enclosure rating:	IP20
Weight:	approx. 70g
Ambient temperature	Storage: -40..+70°C Operating: 0 .. +40°C
Permissible relative humidity:	0...90% relative humidity (non-condensing)
Scope of delivery:	1x timeair 1x USB AC adapter DC 5V, 1A 1x USB cable with USB-Micro plug, 1.8m

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Accessories

*Net unit price for commercial users

Further accessories

Pouch for timeair	97201	4.20€	🛒

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

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We are available to you in person:

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