

Air Quality Sensor

Quick Start Guide



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SCOPE OF DELIVERY

- 1 x Air Quality Sensor
- 1 x Stand
- 1 x Micro-USB-cable
- 1 x Plug-in power supply
- 1 x Quick Start Guide

NOTE! Please check the scope of delivery for completeness and intactness.

WARNING AND SAFETY INSTRUCTIONS

Safety Instructions

- The Air Quality Sensor is designed for use in buildings.
- Operate the Air Quality Sensor only as described in the user manual.
- The Air Quality Sensor should only be put to use in a dry and dust-free place, away from direct sunlight.
- Do not keep using the device when there is obvious damage.
- The Air Quality Sensor may not be rebuilt, modified or opened.
- The Air Quality Sensor is not to be used as a gas measuring instrument.

WARNING! RISK OF INJURY!

When children play with the thermostat or packaging, they might swallow small parts and suffocate.
Do not let children play with the thermostat or packaging.

PRODUCT DESCRIPTION

By means of a complex algorithm, an air quality value based on CO₂-equivalent is determined from a sum signal of all determined gases and is displayed as a clear traffic light according to a WHO-compliant scale. While a „very good room air“ (<600 ppm) is indicated by means of a green LED, a red LED warns, if a room needs to be ventilated urgently.

In addition, the modern metal oxide sensor also measures the VOC value, interprets it and displays the value as a traffic light. VOC stands for the English term „volatile organic compounds“. They are gaseous or vaporous substances that contain carbon. Volatile organic compounds are found for example in cleaning products, disinfectants, care products (e.g. deodorant or perfume) and building materials (e.g. paints and varnishes). This only makes the product an „air quality sensor“ and signals poor air quality even where simple CO₂-sensors fail.

COMMISSIONING

Connect the micro-USB-cable to the plug-in power supply and to the Air Quality Sensor and afterwards to a power outlet. For optimal performance please use the products which are part of the delivery scope.

When the unit is switched on, the Air Quality Sensor is doing a self-test:

- Self-test: Both LED bars run simultaneously two times from the bottom to the top
- Sensor-check: each LED bar is blinking two times
- Buzzer-test: 3 short clicks of the buzzer

IMPORTANT NOTE:

When using the air quality sensor, make sure that the sensor is not disconnected from the power supply, because the first 12 hours of operation the sensor learns your corresponding room profile and also resulting air quality variations via a self-calibrating algorithm.

After these 12 hours, the sensor guarantees you precise measurement results.

If the power supply is interrupted, this calibration process starts again.

Please also make sure that the room, in which the air quality sensor is operated, is ventilated vigorously at least once a week.

This is important for the learning algorithm of the sensor.

MEANING OF THE COLOURED LEDS

Colour	CO ₂ in ppm	VOC in ppb	Air Quality	Recommendations
Dark red	> 3000	> 2200	unacceptable	It must be ventilated immediately. Use room only when unavoidable.
Bright red	1800-3000 (acoustic signal starts)	1600-2200	low	Increased ventilation is absolutely necessary.
Orange	1000-1800	1000-1600	medium	Ventilation is necessary. Check and improve ventilation behaviour.
Yellow	600-1000	500 - 1000	good	No relevant concerns. Regular ventilation is recommended.
Green	0 - 600	0 - 500	very good	No concerns. No action necessary.

NOTE

If the CO₂ value does not improve, the acoustic signal sounds again. The VOC value is only displayed visually (without an acoustic signal).

ACTIVATE / DEACTIVATE ACOUSTIC SIGNAL

To permanently deactivate the acoustic signal for CO₂, keep the button on the back of the device pressed for 30 seconds. After successful deactivation of the acoustic signal, the LEDs of the two bars run down once. By pressing the button again for 30 seconds, the acoustic signal can be reactivated at any time. After the acoustic signal has been successfully activated, the LEDs of the two bars go up once.

TECHNICAL SPECIFICATION

Article	Air Quality Sensor
EAN	4260012712148
Article Number	700209
Supply Voltage	Plug-in power supply
Sensor Type	MOS VOC / CO ₂ -eq
Dimensions	68 x 68 x 17 mm
Weight	48 g
Degree of protection	IP20
Degree of pollution	2

Technical modifications are subject to change. All descriptions for compatibility are without engagement.

LEGAL NOTICE

Environmental Protection:

From the date of implementation of European guidelines 2012/19/EU into national law, the following applies: Electric and electronic devices may not be disposed of in house-hold waste. The consumer is obliged to return electric and electronic devices to the public collection points established for them or to the point of sale. Details are regulated by the respective national law.



Dispose of Packaging:



Dispose of the packaging sorted by type. Add paperboard and cardboard to the waste paper, foils to the recyclables collection. The symbols on the product, the instruction manual or the packaging refer to these regulations. By recycling, material utilisation or other forms of utilisation of old devices, you make an important contribution to the protection of our environment.

Declaration of conformity:



Hereby, Eurotronic Technology GmbH declares that the Air Quality Sensor is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://eurotronic.org/service/downloads/>.

Warranty:

The 24-months warranty period begins at the day of purchase. Please keep the receipt as evidence of purchase. During the warranty period, defective products may be sent to your dealer or the address above. Please ensure sufficient postage is paid. A new or repaired device will then be sent to you free of charge. No new warranty period begins with the repair or replacement of the device. After the warranty period has expired, you also have the option of sending the defective device to the specified address with sufficient postage for repair. Repairs after the warranty period have expired are subject to a charge. Your statutory rights are not limited by this warranty.