

B.E.G. LUXOMAT®

For a controlled and healthy indoor climate...



... the VOC indicator for good air quality

from the OCCULOG® family

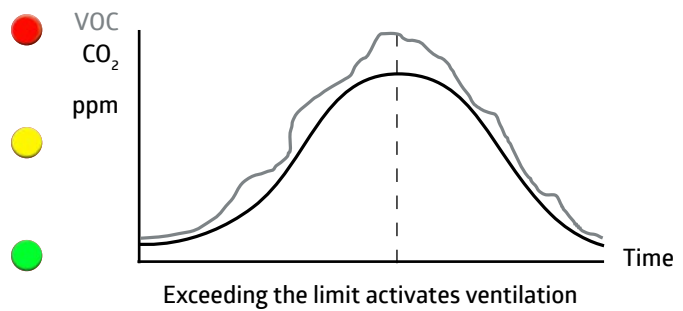


Warning device for measuring excessive VOC (CO₂) levels in the room

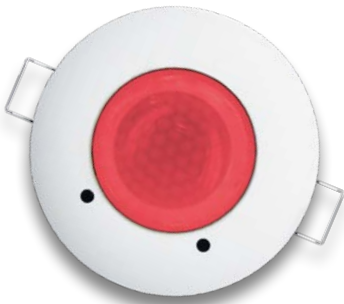


Measurement of air quality (VOC / CO₂eq)

- Air quality measurement method VOC or CO₂ equivalent
- Two limit values for air quality
- Display (LED traffic light behind the lens, acoustic beeper or via relay contact) for air quality



Intuitive and clear



Ventilation mandatory



Ventilation recommended



Good air quality

Alternatively, the device offers the option of signalling that the limit value has been exceeded by means of a beeper or relay contact.

The monitoring device for a healthy indoor climate



Function

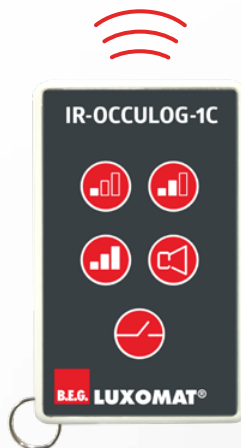
The remote control-capable 230V VOC sensor continuously monitors the air quality by signalling changes and clearly displaying them visually.

The VOC sensor measures the proportion of volatile organic compounds (VOC) in the air, which is used to approximate a CO₂ value.

The air quality and thus the exceeding of the limit value can be signalled visually (LED traffic light behind the lens), acoustically (beeper) or by means of a relay contact.

If the proportion of CO₂ (equivalent) contained in the air exceeds the value of approx. 800 ppm, the colour of the dome changes to yellow. A further increase to more than approx. 1200 ppm triggers an alarm, in which case the dome lights up red, a signal tone sounds and the relay closes.

If the VOC concentration decreases again, the colour changes from red to yellow and finally from yellow back to green, the sound stops and the relay opens again.



IR-OCCULOG-1C
(inclusive)

The limit values can be adjusted via the B.E.G. One app/ BLE-IR adapter or the IR remote control IR-OCCULOG-1C.



Measured values for air quality

CO₂

Carbon dioxide is a natural component of the air, it accumulates indoors mainly through the air breathed by living beings. However, too much carbon dioxide in indoor air can be harmful.

According to studies, a significantly increased CO₂ concentration and/or lack of ventilation in indoor spaces leads to a severe and avoidable impairment of brain performance – especially in decision-making and complex, strategic thinking – in spaces such as classrooms.

VOC (volatile organic compounds)

Volatile organic compounds are gaseous and vaporous substances in the air, such as hydrocarbons, alcohols, aldehydes and organic acids. These are normal components of indoor air in buildings.

Description	Colour	Art. no.
OCCULOG-1C-FC	white	93563
IR-OCCULOG-1C (inclusive)	–	93564
BLE-IR Adapter	black	93067



BLE-IR-Adapter



B.E.G. One App



B.E.G. UK Ltd
Apex Court – Grove House · Camphill
Road West Byfleet, Surrey KT14 6SQ

T +44 87 08 50 54 12
F +44 87 08 50 54 13

info@beguk.co.uk
beg-luxomat.com

FOLLOW US:



Download the remote control app for free!

