

CO₂ AP-A / CO₂ AP / CO₂ UP



Maintenance-free CO₂ monitor with traffic light display, incl. power supply unit or power plug, self-calibrating, in elegant plastic casing. For determining the CO₂ content of the room air (0...3000 ppm) in individual rooms, such as class rooms, training and meeting rooms, offices, hotels, retail stores, etc. This enables energy-saving, needs-based room ventilation.

■ Unit variants

Standing unit with stainless steel stand holder (CO₂ AP-A), for direct wall installation (CO₂ AP) and for installation in flush-mounted boxes (CO₂ UP).

■ Casing

Plastic, material ABS, colour pure white (similar to RAL 9010).

■ Sensor

Optical NDIR sensor (non-dispersive infrared technology) with automatic calibration.

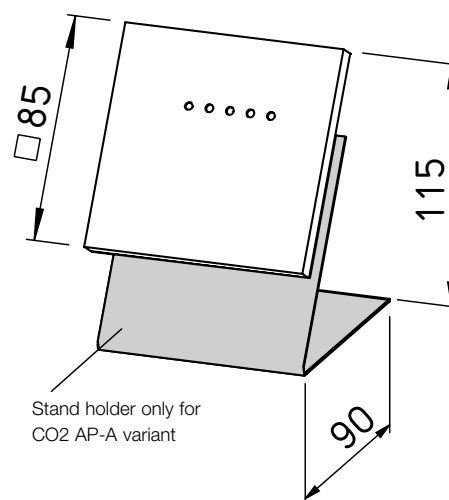
■ Air quality display

The measurement transducer converts the measurement variable into a standard signal that is visually displayed directly via five coloured LEDs (traffic light display). An acoustic signal can also be activated as an option.

■ Standards

CE conformity, electromagnetic compatibility according to EN 61 326, EMC Directive 2014 / 30 / EU, Low-Voltage Directive 2014 / 35 / EU.

Dimensions CO₂ AP-A / CO₂ AP / CO₂ UP



Dim. in mm

CO₂ AP-A

■ Installation

Mobile CO₂ measurement unit on stainless steel stand holder.

CO₂ AP / UP

■ Installation

Wall installation or in flush-mounted box, Ø 55 mm, base with 4 holes, for attachment to vertically or horizontally installed flush-mounted boxes for cable entry at rear. With predetermined breaking point for cable entry at top / bottom for surface mounting.

■ Reference

The unit must not be used for safety-related tasks.

Technical data	CO ₂ AP-A	CO ₂ AP	CO ₂ UP
Ref. no.	40109	40107	40108
Supply voltage	230 V AC (50 – 60 Hz)	230 V AC (50 – 60 Hz)	24 V AC / DC (+/- 10%)
Electrical connection	Power supply unit 230 V / 50 - 60 Hz (included in scope of delivery)		
Measurement range	0...3000 ppm		
Measurement accuracy	typical +/- 30 ppm +/- 3% of measurement value		
Long-term stability	< 2% in 15 years		
Gas exchange	Diffusion		
Ambient temperature	0...+ 50 °C		
Start-up time	approx. 1 hour		
Response time	< 2 minutes		
Protection class	III (according to EN 60 730)		
Protection category	IP30 (according to EN 60 529)		
Equipment	Traffic light display (five colour LEDs) for displaying the CO ₂ concentration, CO ₂ AP with plug-in power supply unit (conn. cable appr. 1.5 m), CO ₂ UP for flush-mounting with flush-mounted power supply unit, CO ₂ AP-A with stainless steel stand holder and power supply unit with Micro-USB.		