10YDCO - PRO

Autonomous Carbon Monoxide (CO) Detector



A new generation carbon monoxide detector with breakthrough detection using a second-generation electrochemical sensor and a color LCD display with environmental functions. Power is provided by an integrated lithium battery (built-in, non-replaceable) guaranteeing an exceptionally long device operation of more than 10 years and an extended 10-year warranty on both the battery and the device itself.

- Electrochemical Carbon Monoxide (CO) Sensor
- Environmental LCD function with temperature and humidity display
- Multifunctional LCD Display
- Battery operation for up to 10 years
- PCB protection with IZOVAX nanoparticle lacquer layer
- Free-standing structure for horizontal surfaces
- Certification EN 50291-1:2018 and 10-year warranty

Technical specification

CO (Carbon Monoxide) Detection	Electrochemical sensing technology
Device Type	B
Microprocessor	AI SAFE with predictive algorithm
Display	Multifunctional backlit LCD
Environmental Functions	Temperature and humidity display
Measurement Accuracy	Temperature with an accuracy of ±0.1 °C; humidity with an accuracy of ±1.5% RH
Alarm Signalization	Optical - three-colour LED indicator; optical - backlit LCD display; acoustic - ≥85 dB at 3 m
Alarm silencing	Manual - via the silence button
Mute Time	9 minutes
Preset alarm value	50 ppm: 60 min to 90 min; 100 ppm: 10 min to 40 min; 300 ppm: <3 min
LED Indication	Alarm, operation and fault
Alarm	Red LED indicator
Operation	Green LED indicator
Malfunction	Yellow LED indicator

PCB protection	Insulating and protective lacquer layer with IZOVAX nanoparticles
Power Supply	3 V DC, 1× CR17450A lithium battery (non-replaceable)
Consumption	Standby mode: ≤20 µA; during alarm: ≤20 mA
Battery Life	10 years
Mounting	On the wall; on a horizontal surface
Installation	Indoor
Operating Temperature	−10 °C to +40 °C
Operating Humidity	Up to 95 % relative humidity without condensation
Storage Conditions	Temperature: −20 °C to +60 °C; humidity: 5% to 95% RH without condensation
Degree of Coverage	IP30
Housing Material	PC + ABS
Housing Colour	White
Product Dimensions	133.5 × 63.5 × 28.9 mm
Product Weight	123 g (including battery)

Technical specification

Package Dimensions	45 × 80 × 135 mm
Package Weight	193 g
Carton Dimensions	540 × 430 × 335 mm
Weight of the carton	20.1 kg
Quantity per carton	96 pcs

Certification	ČSN EN 50291-1:2018; ČSN EN 50291-1:2018/AC:2021
Declaration of Comformity (DoC)	CE
Warranty	10 year (for device and battery)
EAN code	0703123018210



More on the web
smart-safe.eu/firesafe/en/produkty/safe-10ydco-pro

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