

# EURODETECTOR SMG CO

## CARBON MONOXIDE DETECTOR

RS485 Detector with electrochemical sensor for carbon monoxide (CO).

Developed exclusively for its use with DURGAS control unit.

Carbon Monoxide (CO) is a poisonous, odourless and colourless gas produced by the incomplete combustion of fossil fuels (petrol, butane, propane, natural gas, kerosene, carbon and wood). It is very dangerous when inhaled, even in small quantities.

Some of the CO emission sources are fuel burners in a bad condition or wrongly installed, water heaters, chimneys, petrol vehicles, etc...

The detector has been specially designed for underground car parks, road tunnels, garages and, in general, for those installations where there is presence of carbon monoxide.



### TECHNICAL CHARACTERISTICS:

Tecnology	Microprocessor and electrochemical sensor with filter for SOx / NOx / H <sub>2</sub> S
Voltage	From 9V to 15V DC
Consumption	8mA (stand-by) 15mA (alarm)
Measurement range	From 0 to 400 ppm
Resolution	± 2 ppm
Reproductiveness	1% bottom of scale
Linearity	linear in all the scale
Calibration gas	Precise mixture 200ppm CO + N <sub>2</sub> 150ml/min
Sensor life expectancy	4 years in normal working conditions
Relative Humidity	From 15% to 90% (continuous) & from 0% to 99% (intermittent)
Atmospheric pressure	± 10%
Working temperature	From -15°C to +50°C
Time response	T90 < 40s
Cable entry	PG9 syntec cable gland IP67 self-blocking
Communication	RS 485 addressable (1 to 16)
Protection Grade	IP65
Presentation	Sealed box Makrolon & ABS
Weight & Dimensions	325gr / 120mm x 150mm x 63mm
Height of installation	1,8m / 2m from floor
Coverage (*)	200m <sup>2</sup> (according to Spanish current standard)

Characteristics in conditions of 20 °C, 50% RH 1000 mbar (100 Kpa)

(\*) The coverage data is indicative and can vary due to innumerable factors such as humidity, temperature, installation height, air currents, atmospheric pressure, etc...