

EURODETECTOR SMG NO₂

NITROGEN DIOXIDE DETECTOR

RS485 Detector with electrochemical sensor for nitrogen dioxide (NO₂).

Developed exclusively for its use with DURGAS control unit.

Nitrogen Dioxide (NO₂) is a toxic, corrosive, strong oxidising and non inflammable gas, very dangerous, that in concentrations higher than 4 ppm causes intoxication symptoms: eye, nose and bronchial tubes irritation and even death.

The major sources of NO₂ are diesel motor vehicles and combustion associated processes in petrochemical industries and power plants, as well as any high temperature combustion process used in industrial work.



TECHNICAL CHARACTERISTICS:

Tecnology	Microprocessor and electrochemical sensor
Voltage	From 9V to 15V DC
Consumption	8mA
Measurement range	From 0 to 20 ppm
Resolution	± 0,1 ppm
Reproductiveness	0,5% bottom of scale
Linearity	linear in all the scale
Calibration gas	Precise mixture 10ppm NO ₂ + N ₂ 1000 ml/min
Sensor life expencyancy	2 years in normal working conditions
Relative Humidity	15% to 90% (continuous), 0% to 99% (blinking)
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	Addressable RS 485 (from 1 to 16)
Protection Grade	IP65
Presentation	Makrolon & ABS
Weight & Dimensions	325gr / 120mm x 150mm x 63mm
Height of installation	40cm / 50cm from the floor
Coverage (*)	100m ²

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...