

# SMART 3 NC

## Point gas Detector for Safe Areas

Standard 4-20mA and  
optional 3 relay output

Optional RS485 interface for  
Modbus communication

Ongoing system self-diagnosis

IP55 rated



## Specification

	Catalytic sensor	Electrochemical cell	Infrared sensor
Size	Box: H100 x W100 x D52 mm (3.9 x 3.9 x 2ins) Cover: H105.8 x W105.8 x D7.8 mm (4.2 x 4.2 x 0.3ins)		
Weight	0.25kg		
Enclosure material	Polycarbonate		
Ingress Protection	IP55		
Connection	2 x M20		
Power	12-24 Vdc		
Electrical output	Analogue 4-20 mA output; 1 or 3 relay board (optional); serial RS485 output (optional)		
Operating temperature	-20 / +60°C	-20 / +55°C	-20 / +60°C
Humidity	0 / 90% RH	15 / 90% RH	0 / 90% RH
EMC compliance	EN 61000-6-3:2007 + A1:2011; EN 50270:2015		

## Gases

Gas	Sensor type
Methane (CH <sub>4</sub> )	Catalytic sensor
Petrol Vapours	Catalytic sensor
LPG	Catalytic sensor
Carbon Monoxide (CO)	Electrochemical sensor
Nitrogen Dioxide (NO <sub>2</sub> )	Electrochemical sensor
Chlorine (CL <sub>2</sub> )	Electrochemical sensor
Sulphur Dioxide (SO <sub>2</sub> )	Electrochemical sensor
Hydrogen Chloride (HCL)	Electrochemical sensor
Carbon Dioxide (CO <sub>2</sub> )	Infrared sensor