

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

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# SMART 3NC

## Point Gas Detector for Safe Areas

Designed for safe areas, SMART 3NC features standard 4-20 mA output along with optional RS485 interface and ongoing system self-diagnosis



The SMART 3NC from Sensitron is an IP55-rated point gas detector designed for safe areas and non-classified locations. Detecting methane, LPG, petrol vapours, CO, NO<sub>2</sub>, and CO<sub>2</sub>, it offers seamless installation, maintenance via a handheld keypad, and ongoing self-diagnosis. With relay and Modbus options, it ensures reliable and cost-effective gas detection without compromising performance.

### 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

### SPECIFICATIONS

	WITH CATALYTIC SENSOR	WITH ELECTROCHEMICAL CELL	WITH INFRARED SENSOR
<b>SIZE</b>	Box: H100 x W100 x D52mm (3.9 x 3.9 x 2ins) Cover: H105.8 x W105.8 x D7.8mm (4.2 x 4.2 x 0.3ins)		
<b>WEIGHT</b>	0.25kg		
<b>ENCLOSURE MATERIAL</b>	Polycarbonate		
<b>INGRESS PROTECTION</b>	IP55		
<b>CONNECTION</b>	2 x M20		
<b>POWER</b>	12-24 Vdc		
<b>ELECTRICAL OUTPUT</b>	Analogue 4-20 mA output; 1 or 3 relay board (optional); serial RS485 output (optional)		
<b>OPERATING TEMPERATURE</b>	-20 / +60°C	-20 / +55°C	-20 / +60°C
<b>HUMIDITY</b>	0 / 90% RH	15 / 90% RH	0 / 90% RH
<b>EMC COMPLIANCE</b>	EN 61000-6-3: 2007 + A1: 2011; EN 50270: 2015		

#### **Disclaimer**

Due to ongoing research and product improvement, specifications are subject to change without notice. While every effort has been made to ensure accuracy in this document, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This document is not intended to form the basis of a contract.

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