

# SMART P

## EN-approved Gas Detector for Car Parks

Offers optional RS485 communications as standard, ongoing system self-diagnosis and easy sensor replacement.



The SMART P detectors from Sensitron are designed for gas detection in car parks, meeting the latest European Standard (EN 50545-1:2011). Capable of detecting CO, NO<sub>2</sub>, and petrol vapours, the SMART P-1 monitors a single gas, while the SMART P-2 detects two simultaneously. With RS485 communication as standard, they provide reliable protection in confined areas such as car parks.

## GASES

| GAS                                 | SENSOR TYPE      | DEVICE            |
|-------------------------------------|------------------|-------------------|
| Carbon Monoxide (CO)                | Electrochemical  | SMART P-1 and P-2 |
| Nitrogen Dioxide (NO <sub>2</sub> ) | Electrochemical  | SMART P-1 and P-2 |
| Petrol Vapours                      | Catalytic sensor | SMART P-2 only    |

## SPECIFICATIONS

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>SIZE</b>                  | Box: H100 x W100 x D52mm (3.9 x 3.9 x 2ins)<br>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>     | RS485 serial output                                                                                 |
| <b>OPERATING TEMPERATURE</b> | -20 / +50°C                                                                                         |
| <b>HUMIDITY</b>              | 15 / 90 %RH                                                                                         |
| <b>COMPLIANCE</b>            | EMC EN 50270:2015<br>Car park standard EN 50545-1:2011                                              |

#### **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.

#### **For more information:**

t: +44 (0)1235 557700

e: [info@crowcon.com](mailto:info@crowcon.com)

w: [www.crowcon.com](http://www.crowcon.com)

Locate your Regional Sales Representative at:  
[www.crowcon.com/contact-us/where-to-buy](http://www.crowcon.com/contact-us/where-to-buy)

© 2025 Crowcon Detection Instruments Ltd.

