



Gas & Flame  
Detection

## 3M™ Protégé SG

Reusable single gas monitor



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The Protégé SG is a reusable single gas monitor that can be configured to detect 13 gases which provides maximum flexibility to deal with unknown gas hazards. With interchangeable smart sensors, the Protégé SG offers maximum versatility in a reusable solution.

### Maximum Flexibility:

The plug-and-play swappable smart sensors allow a single monitor to detect several different toxic and combustible gases, supporting multiple applications. Users can change sensors on the go and the monitor will automatically recognise the sensor type and update the gas label on the display. The versatility of the SG allows users to efficiently manage their time. No programming is required when switching sensors.

### Easy to Use:

With one-button activation, adjustable alarm settings and an easy-to-read, multi-language display, the Protégé SG is intuitive and user-friendly. Turn it on, and the monitor does the rest. With data logging of up to 5,000 events and a customisable LCD display capable of displaying real-time gas readings, the Protégé SG is packed with features and functionality, but requires minimal training. The Protégé SG is highly versatile and allows the user to configure the monitor based on their application or specific company requirements.

### Durable and Reliable:

The Protégé SG is available in IP66/67 ingress protection. Using a Lithium replaceable battery provides service life of 1.5 to 2 years for toxic sensors. The sturdy case can withstand the rigours of most industrial environments and is reliable in operating temperatures of -20°C to +50. The Protégé SG performs self-diagnostics at start-up giving users confidence to focus on the job. Turn it on and forget about it.

### Sensors:

Sensor Options: H<sub>2</sub>S, CO, O<sub>2</sub>, O<sub>3</sub>, HCN, NO, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub> and ClO<sub>2</sub>.

### Accessories:

- MasterDock II – Bump and Calibration Station
- Calibration Adaptor
- PDG Application Software
- IR Connect
- Calibration Gas
- Standard and Demand flow regulators



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Available in Red or Grey

## Certifications and Approvals:

CSA  
Class I Div I, Groups A, B, C, D  
Intrinsically Safe  
Ex ia sécurité intrinsèque  
IP 66/67

Ex  
ATEX certification standards and dates:  
EN 60079-0:2012 and EN 60079-11:2012  
Ex ia IIC T4 Gb

CE  
RoHS Directive  
ATEX Directive  
EMC Directive

IEC IECEx  
IECEx certification standards and dates:  
IEC 60079-0:2011 and IEC 60079-11:2011  
Ex ia IIC T4 Gb



### Swappable Smart Sensors

\* PROTÉGÉ SG accepts 15 different swappable sensors

## Multiple languages:

- English
- French
- Spanish
- Portuguese
- Italian
- German
- Dutch
- Finnish
- Swedish

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Size	10.7cm H x 5.8cm W x 2.2cm D
Weight	150g
Environmental Protection	IP 66/67
Temperature Range	-20°C to 50°C
Smart Sensors	Yes
Filter Replacement	Yes
Replaceable Battery	Yes
Run Time	1.5 to 2 Years
Screen Languages Supported	English, French, Spanish, Portuguese, Italian, German, Dutch, Swedish and Finnish
Alarms	Visual, Audible, Vibration
Sensor Types	HCN, H <sub>2</sub> S (Standard Resolution, 0-500ppm) H <sub>2</sub> S (High Resolution, 0-100ppm ), CO (Standard Resolution 0-1000ppm) CO (Hydrogen Resistant, 0-2000ppm), O <sub>2</sub> , NO, NO <sub>2</sub> , PH <sub>3</sub> , SO <sub>2</sub> , NH <sub>3</sub> , Cl <sub>2</sub> , ClO <sub>2</sub> , O <sub>3</sub>
Battery Type	Lithium
Battery Life	1.5 years
Latching Alarms	Latching alarms are supported (user configurable)
Irda	Yes
Event Logging	Yes
Approved Temperature Ranges	-20°C to 50°C for continuous, long term use
Warranty	3 Years from date of Shipment from Scott Warranty covers monitor assembly, including sensors: 3 years for O <sub>2</sub> , 2 years for H <sub>2</sub> S, CO, SO <sub>2</sub> 1 year for CL <sub>2</sub> , CLO <sub>2</sub> , HCN, NO, NO <sub>2</sub> , NH <sub>3</sub> , O <sub>3</sub> , PH <sub>3</sub> ,

### Factor default alarm setpoint

Sensor types	Range
O <sub>2</sub>	0 to 30%
H <sub>2</sub> S (Standard)	0 to 500 ppm
H <sub>2</sub> S (High Resolution)	0 to 100 ppm
CO (Standard)	0 to 1000 ppm
CO (Hydrogen Resistant)	0 to 2000 ppm
HCN	0 to 100 ppm
O <sub>3</sub>	0 to 3 ppm
NO	0 to 350 ppm
NO <sub>2</sub>	0 to 100 ppm
PH <sub>3</sub>	0 to 20 ppm
SO <sub>2</sub>	0 to 150 ppm
NH <sub>3</sub>	0 to 300 ppm
Cl <sub>2</sub>	0 to 50 ppm
ClO <sub>2</sub>	0 to 5 ppm



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