



PROTEGE SG™

Reusable Single Gas Monitor



The Protégé SG is ideal for those who are looking for a reusable single gas solution, value data logging for record keeping purposes, and for those who work around a wide range of gases.

Easy to use

Both lightweight and easy to use, the ergonomically designed instrument has several advanced features including smart plug-and-play sensors.

The Protégé SG can be configured to detect 13 gases including Ozone (O₃) and Chlorine (Cl₂). Each sensor is equipped with a smart sensor board that automatically recognises sensor type, updates the gas label on the LCD display, and automatically downloads necessary calibration parameters.

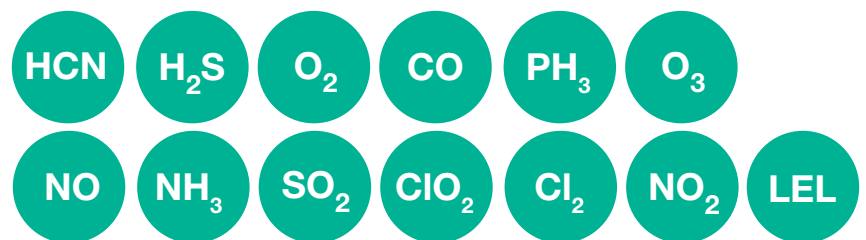
Intuitive and user friendly

One-button activation, adjustable alarm settings and an easy-to-read display, turn the Protégé SG on, and the detector does the rest.

With data logging of up to 5,000 events and a customisable display capable of real-time gas readings, the Protégé SG is packed with features and functionality, but requires minimal training.

“The Protégé SG offers the maximum versatility in a reusable solution”

Gases analysed



KEY BENEFITS

- Smart sensors recognise sensor type and automatically update all parameters so you don't have to
- 15 plug and play sensors provides flexibility and choice and reduces the need for multiple detectors
- IP66/67 rated and high impact rubberised case for added protection
- 3 year warranty on most sensors* protecting your investment if something goes wrong

Technical Specification

Physical Characteristics

- Size 10.7cm H x 5.8cm W x 2.2cm D
- Weight 150g
- Handling Ergonomic design supporting one hand operation
- Case Material Impact absorbent rubber overmold. Will withstand 1.5m drop
- Environmental Protection IP 66/67
- Temperature Range -20°C to 50°C
- Display Location Front display
- Carrying Attachments Stainless steel alligator clip
- Colour Options High visibility red or grey
- Filter Replacement Yes
- Removable Access Cover Easy access to replace filter, sensor, and lithium battery

User Interface

- Confidence Beep: Yes (user configurable)
- Pump Low Flow Alert: No
- Backlight: Yes
- Backlight Modes: Always On (configurable), On for button press (duration configurable)
- Event Log: 5,000 events
- Recorded Events: On/Off, Alarms, Calibration Pass/Fail, Bump Test Pass/Fail, Monitor Battery Level, Name/Label, Date, Time

Monitoring

- Instrument Power Up: Activation by pressing and holding left button on front side
- Instrument Power Down: Activation by pressing and holding two buttons on front side
- Gas Configurations: Product available in single gas configurations
- Plug & Play Sensors: Each gas sensor can be easily swapped to another without requiring programming or setting of calibration parameters. Monitor will automatically detect and display sensor type.
- Gas Readings Displays: PPM, %LEL, %v/v based on gas type.
- Resolution: PPM readings up to one tenth ppm. % readings up to one hundredth %.
- # of Sensor Types: 15
- Sensor Types: LEL IR, HCN, H₂S (Standard Resolution, 0-500 ppm) H₂S (High Resolution, 0-100 ppm), CO (Standard Resolution, 0-1000 ppm) CO (Hydrogen Resistant, 0-2000 ppm), O₂, NO, NO₂, PH₃, SO₂, NH₃, Cl₂, ClO₂, O₃

Power

- Battery Type: Lithium
- Changeable Battery Pack: Yes
- Battery Life Indication: Yes
- Battery Life: 1.5 years
- Charge Time: None

Alarms

- Alarms: High alarm, low alarm, STEL, TWA
- Latching Alarms: Latching alarms are supported (user configurable)
- Silent Mode: Monitor will support a silence mode where alarms can be muted for 1 minute duration. Alarms automatically unmuted after 15 minutes. (user configurable)
- Visual Alarm: Yes - Red LED
- Audible Alarm: Yes - 90db @ 30cm
- Vibrating Alarm: Yes
- Alarm Set Point: Default settings pre-programmed

Certifications & Approvals:

CE (safety, EMC, wireless)

- EU: CE Mark Compliant

ATEX

- EN 60079-0:2012/A11:2013
- EN 60079-11:2012
- Directive 2014/34/EU
- Directives 2014/30/EU, 2004/108/EC

IEC IECEX

- Global Ex: IECEX
- Zone 0
- Equipment Group II (Surface)

Certifications

- Approved Temperature Ranges -20°C to 50°C

Environmental

- Humidity: 5 - 95% RH Non-condensing

Maintenance & Warranty

- Warranty: 3 Years from date of shipment from Scott.
Warranty covers monitor assembly.
3 years for CO, O₂, H₂S
2 years for NO, NO₂, PH₃, SO₂, NH₃, Cl₂, ClO₂, O₃

Also available are two valuable accessories: the Portable Gas Detection Application software and the new Protégé MasterDock II docking station.

The Portable Gas Detection Application software features an intuitive point-and-click dashboard interface allowing easy access to critical data as well as centralised data storage capabilities for managing a fleet of monitors.

The MasterDock II is expandable up to 10 bays and supports the Protégé SG and other Scott Safety portable monitors including the legacy and future Protégé monitors. The new MasterDock II has six gas bottle attachments, USB and Ethernet connectivity options, and supports printer accessory for calibration certificates.

**PROTÉGÉ SG** Comes with:

- Stainless Steel Alligator Clip Attached at factory
- Calibration Cup For manual bump testing and calibration
- Quick Start Guide Printed card
- Product CD CD format with complete monitor user manual and translations, system manual and translations, declaration of conformity, Protégé software suite

PROTÉGÉ SG Optional 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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