



Gasdetection

Precaution is the key in this area. By measuring enclosed spaces before entering, the chances of getting involved in accidents or explosions are minimised. Without proper training and knowledge it is not easy to decide on the appropriate measuring devices. Our experts are trained in technical knowledge and maintenance of several brands. They can assist you in making the right choice for your needs.

At MSC 94, an amendment to SOLAS XI-1 was made, introducing a new regulation 7. This regulation requires an atmosphere testing instrument for enclosed spaces. The amendment enters into force on 2016-07-01, and requires the following.

Due to the serious threat posed to people working in enclosed spaces on board ships, IMO introduced new requirements to SOLAS Chapter III Regulation 19, which entered into force from 1 January 2015. Since then crew members are required to participate in an enclosed space entry and rescue drill on board the ship at least once every two months.

The IMO also adopted mandatory requirements for portable atmosphere testing instruments to be carried on board ships in November 2014 which will enter into force on 1 July 2016, as SOLAS regulation XI-1/7.

In accordance with the amendments to SOLAS regulation XI-1/7 contained in IMO Resolution MSC.380 (94):

- Every ship to which SOLAS Chapter I applies shall carry an appropriate portable atmosphere testing instrument or instruments;
- As a minimum, these shall be capable of measuring concentrations of oxygen, flammable gases or vapours, hydrogen sulphide and carbon monoxide prior to entry into enclosed spaces;
- Instruments carried under other requirements may satisfy this regulation;
- Suitable means shall be provided for the calibration of all such instruments.

We offer several options to meet these regulations. If you transport dangerous goods, we recommend that you contact your sales manager for more specific information.



Your pilot in nautical safety

PS200 series

The GMI PS200 series combines quality, ruggedness and advanced technology in a user friendly, portable gas detector. It is compact, lightweight, water resistant, extremely robust and is suitably certified to recognised International Standards. The PS200 is designed for confined space monitoring, for example, in sewers, underground piping, or within tanks and other personal monitoring applications.

With audible, visual and vibrating alarms, it provides early warning of dangerous gas levels. The instrument is available as either a pumped or diffusion model and is powered by an internal Li-ion (lithium ion) rechargeable battery with minimum operating time of 14 hours for non-pumped operation (8 hours for pumped operation). Maximum recharge time is 4 hours. Operated via two push buttons, this instrument provides the user with a simple to use, yet state-of-the-art, gas detector.

The PS200 series features high visibility LED's, a display that changes colour from green to red when an alarm is present, a sounder with a 90dB minimum output and a vibrating alarm. Users can be confident that, should gas levels exceed configured threshold limits or a sensor / flow / battery fault exists, a clear and unmistakable indication is evident.

The PS200 Series has the ability to detect up to four (4) of the following gases simultaneously:

- 0 to 100% LEL Hydrocarbons
- 0 to 25% Oxygen (O₂)
- 0 to 1000ppm Carbon Monoxide (CO)
- 0 to 100ppm Hydrogen Sulphide (H₂S)

The instrument display identifies the gas(es) the instrument is monitoring.

Calibration

To complement the Personal Surveyor product line, GMI has developed a compact, robust and easy to use Auto Bump & Calibration Station that can provide full bump and calibration options. The Automatic Bump / Calibration Station enables both instrument battery charging and automatic bump testing and calibration of PS200 series instruments to verify that they are suitable for use.

The Auto Bump / Calibration Station will accommodate the PS200 series instrument with or without protective rubber boot fitted. Calibration validity remains the responsibility of the user. Under normal operating conditions a 12 month period can be expected. This is no guarantee, however, as the precise application of the product is unknown to GMI. Individual codes of practice will dictate shorter periods.

Regular calibration establishes a pattern of reliability and enables the calibration check period to be modified in line with operational experience. As a guide, the higher the risk, the more frequently calibration should be checked.

Benefits of PS200 series

- Simple 1-button operation
- Any combination of (LEL/O₂/CO/H₂S)
- Audible, visual and vibrating alarms
- Fully certified
- Internal pump (optional)
- Lightweight
- Sensor integrity checking
- Robust construction
- Ease of maintenance

Benefits of Auto Bump & Calibration Station

- Simple user interface
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC or ethernet options
- Robust construction



Datema Delfzijl B.V.

Zeesluizen 8, 9936 HX Delfzijl
P.O. Box 101, 9930 AC Delfzijl
The Netherlands
T +31 (0)596 63 52 52
F +31 (0)596 61 52 45

Rotterdam branch

Galvanistraat 148
3029 AD Rotterdam
The Netherlands
T +31 (0)10 436 61 88
F +31 (0)10 436 55 11

