



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 your vessel carries dangerous goods in bulk, we recommend that you contact your sales manager for more specific information.



MSA
The Safety Company

Your pilot in nautical safety

ALTAIR 4X Multigas Detector

The ALTAIR 4X Multigas Detector for LEL, CO, H₂S and O₂ is as tough and functional as it looks. A rugged housing provides unsurpassed durability, including the ability to survive a 20-foot drop. And with large, glove-friendly buttons and a high-contrast display, the ALTAIR 4X Multigas Detector is easy to operate in any work environment, even low-light conditions.

The real strength of the ALTAIR 4X Multigas Detector comes from new sensor technology. MSA XCell Sensors have a typical life of more than four years, double the industry average, and are engineered using MSA's proprietary application-specific integrated circuit (ASIC) design. By miniaturizing sensor controlling electronics and placing them inside the sensor itself, MSA XCell Sensors offer superior stability, accuracy and repeatability.

Exclusive safety features like MotionAlert™ and InstantAlert™ make the ALTAIR 4X Multigas Detector ideal for applications like confined space entry. The MotionAlert sensor activates when a user becomes disabled and motionless, quickly alerting others to the disabled user's location. And with a simple push of a button, the InstantAlert feature enables users to manually alert others to potentially hazardous situations.

Revolutionary sensor technology

- Sensor response and clear times in less than 15 seconds
- Bump test in less than 15 seconds
- 60-second span calibration time
- Greater signal stability and repeatability under changing or extreme environmental conditions
- Two-tox CO/H₂S sensor with virtually no cross-channel interference
- The digital output of the sensors makes them much less susceptible to RF interference

Calibration

The new GALAXY GX2 Automated Test System provides simple and intelligent testing and calibration of ALTAIR 4X and ALTAIR 5X Multigas Detectors. This easy-to-use automated test stand offers high performance as either a stand-alone unit or an integrated portable detector management system, enabling total data access and control of MSA's ALTAIR Gas Detector fleet. Once any ALTAIR Family Gas Detector is placed within the GALAXY GX2 System, it can be tested, calibrated and charged automatically.* Flexibility allows for up to 10 test stations, four cylinder holders and multi-unit charger within one GALAXY GX2 System detector bank.

The benefits of ALTAIR 4X:

- Unsurpassed durability
- XCell sensor technology for longer life span and faster responsetime
- MotionAlert™ and InstantAlert™
- MED approved
- Low cost of ownership

The benefits of GALAXY GX2:

- Easy setup, simple use with touch-free testing.
- Color touch screen enhances user experience at the test stand.
- Can be used with a PC or as a stand-alone system, the perfect solution for large fleet end users, as well as for smaller applications.

Exceeds 50% reduction in cost of ownership, including calibration gas expenses when combined with high-performance MSA XCell Sensors.



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