



MARINE PRODUCTS

REFRIGERATION EQUIPMENT  
SYSTEM EQUIPMENT & SPARES

## UNITOR FIXED LEAK DETECTOR

FOR MARINE REFRIGERANT LEAK MONITORING & DETECTION



Unitor fixed leak detector is the natural first choice when you need an economical solution to provide round-the-clock leak detection and monitoring. Sensors detect ambient refrigerants to levels as low as 100 ppm. (Standard setting 500 & 1000 ppm.)

- Increase crew safety
- Reduces environmental impact
- Help reduce refrigerant consumption

### Optional sensors

- Designed to minimise false alarms from background gases
- Sensor PCB design with incorporated test points
- Simple annual maintenance
- IP66 sensors for high humidity, wash down areas, and fast response



708024



767046



767053



708065



767061



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## TECHNICAL FEATURES & ORDER INFORMATION

### Benefits

#### Crew Safety

Safeguards crew members from long-term exposure to high levels of refrigerant gas

#### Cost Saving

Helps reduce costs due to accidental loss of refrigerants from unmonitored leaks

#### Environmentally Sound Solution

Reduces the risks of global warming and damaging the Ozone layer by instantaneous warning of leaks

#### Class Compliant

The leak detection system is compliant with classification societies requirements (LRS, DNV GL, ABS and more)

#### Extra Advantages

- Relatively easy to install, requires no special preparations
- Economical solution
- Robust, with no moving parts
- Low maintenance requirements
- Can be connected to existing engine room alarm systems
- Single phase 230V 50/60 Hz (110V on request)
- Can be recalibrated on board by ships crew

### Features

- No moving parts
- Inexpensive and long-lasting semi-conductor technology
- Detects a range of gases including all CFC, HCFC & HFC refrigerants
- Can detect multiple refrigerants simultaneously
- Available as 4 or 6 channel monitor kits (one sensor per channel)
- 2 level alarm system
- Low level alarm resets automatically
- High level alarm needs to be manually reset

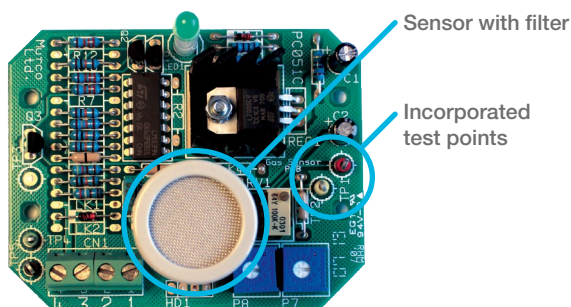
The greatest environmental impact from an AC system over its lifetime arises from energy consumption. A leaking system is less efficient and a 10% refrigerant loss increases energy consumption by up to 20%

| Product no.   | Product descriptions & Accessories                                                                                                                                                                      |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 767079 (230V) | Marine Refrigerant Gas Leak Monitor Kit (includes): 4 Channel monitor, 2 IP66 sensors (767046) / 2 IP44 sensors (708024), 100m 4 core screened LSF cable 7/0.2mm, Cable glands, 12V siren and keys      |
| 767087 (230V) | Marine Refrigerant Gas Leak Monitor Kit (includes): 6 Channel monitor, 4 IP 66 sensors (767046) / 2 IP44 sensors (708024), 2 x 100m 4 core screened LSF cable 7/0.2mm, Cable glands, 12V siren and keys |
| 708024        | Refrigerant Gas Sensor MSPH IP44 for general application                                                                                                                                                |
| 767046        | Refrigerant Gas Sensor IP66<br>Robust sensor for exposed areas                                                                                                                                          |
| 767053        | Refrigerant Gas Sensor IP66 VENT PIPE<br>For use in outlet pipes from safety valves                                                                                                                     |
| 767061        | Refrigerant Gas Sensor AHU or Duct IP66<br>For use in high air flow environment                                                                                                                         |
| 708065        | Refrigerant Gas Sensor EExd IIB T5 (incl. Gland)<br>For use in explosion rated areas                                                                                                                    |
| 708073        | Refrigerant Gas Sensor Cable on 100m reel<br>4 core screened LSF (Low smoke & fumes) cable 7/0.2mm                                                                                                      |

Use Unitor's electronic hand-held leak detector when pinpointing a leak:  
Product no. 716142



### Sensor PCB



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