



MARINE PRODUCTS

REFRIGERATION EQUIPMENT
SYSTEM EQUIPMENT & SPARES

REFRIGERANT LEAK MONITOR

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Unitor electronic 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, 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

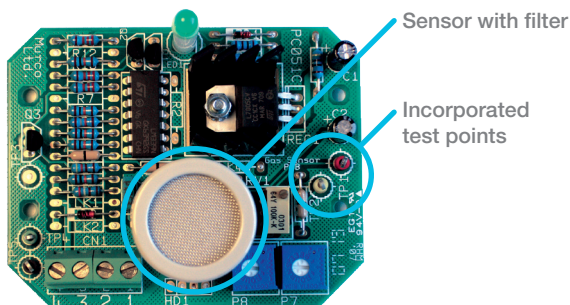
The greatest environmental impact from an AC system over its lifetime arises from energy consumption. A leaking system is less efficient and a 10% refrigerant loss increases energy consumption by up to 20%.

Product no.	Product descriptions & Accessories
767079 (230V)	Marine Refrigerant Gas Leak Monitor Kit (includes): 4 Channel monitor, 2 IP66 sensors (767046) / 2 IP44 sensors (708018), 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 (708018), 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 Robust sensor for exposed areas
767053	Refrigerant Gas Sensor IP66 VENT PIPE For use in outlet pipes from safety valves
767061	Refrigerant Gas Sensor AHU or Duct IP66 For use in high air flow environment
708065	Refrigerant Gas Sensor EExd IIB T5 (incl. Gland) For use in explosion rated areas
708073	Refrigerant Gas Sensor Cable on 100m reel 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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OPTIMISING PERFORMANCE