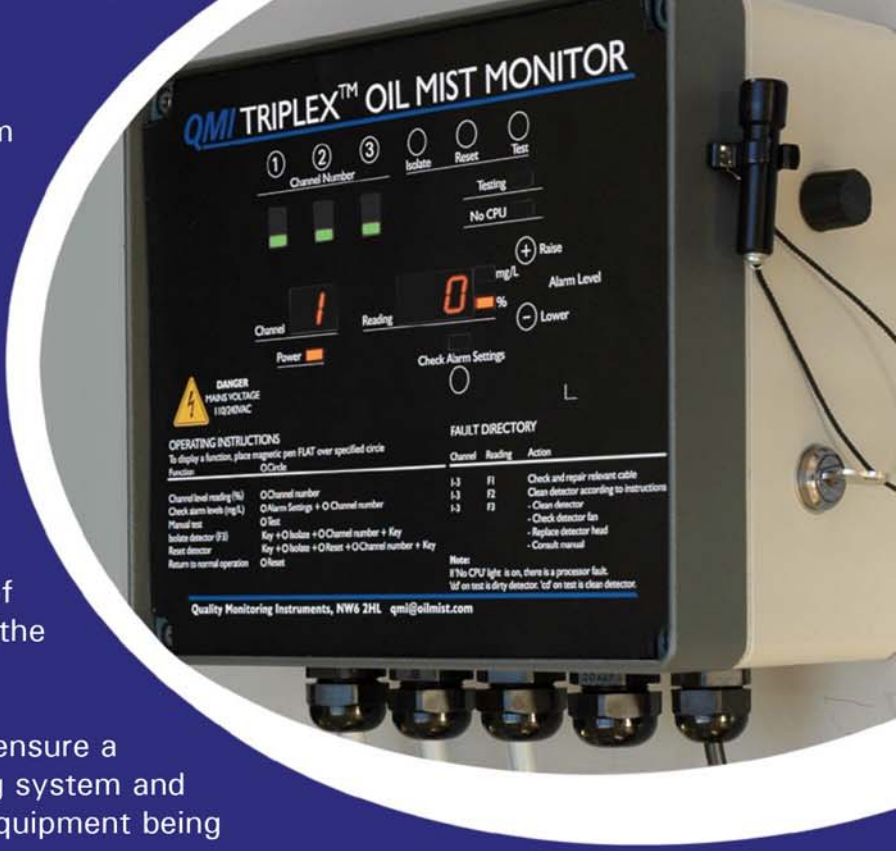
The new ***QMI*** TRIPLEX monitoring system is the practical answer to meet the need for oil mist monitoring in areas where only one, two or three detectors are required.

QMI atmospheric oil mist systems identify a hazardous build-up of oil mist in confined zones.

The oil mist concentration in the atmosphere is instantly reported back to the monitor to give advance warning of dangerous conditions in order to prevent the outbreak of fires.

The detectors incorporate a small fan to ensure a positive stream of air through the sensing system and are sited in the airflow usually over the equipment being monitored.



QMI TRIPLEX™

OIL MIST MONITORING SYSTEM

Suggested applications are:
Hydraulic pack locations as recommended by **OCIMF SIRE Programme Ships Inspection Report 11.25**

Purifier rooms
Shaft bearing tunnels
Bow thrusters
Generator rooms
Test cells & chambers.
Steering gear.
Main engine rooms as recommended by IMO 1086
Hydraulic chambers

The *QMI* TRIPLEX system is simple to install on new or existing vessels with the following advantages:

Fast response
No false alarms
Easy to read
No scanning

All detectors are calibrated and interchangeable
User friendly working instructions on the face plate
Detectors can be located more than 100 metres from the monitor
Minimal maintenance
Avoids major clean up operations

Atmospheric Oil Mist Detection

QMI are in the forefront of atmospheric oil mist detection. The need for such a monitoring system was first recognised when the maritime industry acknowledged that up to 65% of fires at sea are the result of oil mist leaks from areas where lubricating, fuel or hydraulic oils are under pressure causing a fine mist to collect in the atmosphere and leading to a fire. The answer is to install an oil mist detection system that will detect oil mist as it is being spread into the atmosphere and alarm long before it reaches a dangerous level. Sources of ignition can be many including exhaust pipes, turbochargers, and non-flameproof motors and static electricity.

The QMI MULTIPLEX system was originally developed in the early eighties to warn of avoidable engine damage and fires. Our customers asked if the detector was suitable to measure oil mist in the atmosphere as the engine crankcase system was by then recognised for its immediate response without any false alarms. This was a sound basis from which to start and the reliability of the proven system gives the operator confidence to act when an alarm is raised.

The marine industry trialed a new detector designed to measure oil mist in the atmosphere and Seatrade gave the design the prestigious award of a highly commended contribution to Safety at Sea in 1997. The design has since been modified to facilitate maintenance and to operate in the extreme working environments found at sea.

QMI

The ***QMI*** TRIPLEX
combined with the Q10 Atmospheric Detectors
can sense the oil mist that causes fires ***immediately.***

SPECIFICATION

Monitor Dimensions: 280 x 230 x 138mm
Weight: 5.20 kg
Sampling Point: Maximum 3 Alarms
Switches: 2 Functional Switch: 1
Monitor case: IP65
Manual test programme except for functional facility
Response time of detection: 0.05 seconds
Voltage: 110/240VAC.
Maximum power consumption: 100W
Self-diagnostic alarm for the monitoring system

Detector Dimension: 359 x 113 x 73 mm (including fixing)
Weight: 2.30 kg
Detector case: IP65 except fan.
12V fan, power taken from the monitor
Fixing: Flanged articulated joint.

Optional Extra:
TRIPLEX unboxed 3-way PCB 13.5 x 10 cms to simplify installation

E & OE.
As we constantly endeavour to improve our designs the specification may vary.

For more information please see our website: oilmist.com

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