1-53836-K269-01

OMD Mk7 detector with short sample pipe

Product overview

The Mk7 detectors use optical sensing; (light scatter) as it's detection method and continually monitors the oil mist density in the crank space to which it is connected. In addition, the detector automatically performs self-checks for any internal faults. The control unit interrogates each detector in turn, identifying the position connected at the control unit, the oil mist density value and determines the status of the detector.

To avoid oil throw on 4-stroke engines and where used in confined spaces, this detector version incorporates a short sample pipe.

Each detector is fitted with 3 LED indicator lights:
- Green: Power on
- Red: Alarm
- Amber: Fault

As all detectors operate independently, the loss of one detector through a fault does not affect the operation of the remaining system. Individual detectors, or engine groups, can be isolated from the system for maintenance while the rest of the system remains in operation.

The Graviner Mk7 Oil Mist Detection system supports up to 100 detectors.



Details

- Engine mounted
- Short sample pipe for 4-stroke engines and confined spaces
- Uses optical sensing (light scatter)
- Intelligent stand-alone device
- Measures oil mist density and transmits level to the control unit
- Continuous fault and oil contamination monitoring
- Each detector monitors a single crank space
- Suitable for both 2 stroke and 4 stroke engines
- Eliminates need for external engine pipework
- No requirement for a compressed air supply

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Technical specifications

General

Status indication	Green: power on, Red: alarm, Amber: fault LED’s

Electrical

Power consumption	1.5 W

Detection

Detection principle	Light scatter
Sensitivity	0.1 to 3.6 mg/l
Particle sensitivity range	0.1 to 5 µm

Sampling pipe

Length	58 mm

Environmental

Operating temperature	0 to +70°C
Storage temperature	-20 to +60°C
IP rating	IP65

Regulatory

Standards	IACS M10 / M67

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