1-E3561-301-01

OMD Mk6 detector with short sample pipe

Product overview

The Mk6 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 panel interrogates each detector in turn, identifying each detector by a unique address, to obtain the oil mist density value and determine the status of the detector.

To avoid oil throw on 4-stroke engines and where used in confined spaces 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 Mk6 Oil Mist Detection system supports up to 64 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 panel
- Continuous fault and oil contamination monitoring
- Each detector monitors a single crank space
- 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	2.8 W

Detection

Detection principle	Light scatter
Sensitivity	0.1 to 2.6 mg/l
Particle sensitivity range	0.1 to 5 µm

Sampling pipe

Length	58 mm

Physical

Physical dimensions	153 x 90 x 220 mm (L x W x H)
Net weight	0.6 kg
Colour	Black

Environmental

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

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