GREEN INSTRUMENTS

G26 AMBIENT OIL MIST DETECTOR

LINE-OF-SIGHT OPACITY METER FOR MONITORING OF OIL MIST IN OPEN SPACES

DETECT OIL LEAKAGE

KEY FEATURES

- **Large area coverage per detector**
- **Avoid cost-expensive engine room fires**
- **Easy to install – minimal footprint**
- **Robust design with low maintenance cost**
- **Low cost of ownership – no consumable parts**
- **Simple & fast on-site validation**
- **Detect all types of oil**

APPROVALS AND CERTIFICATES

- **DNV – GL type approval**
- **ABS type approval for Marine & Offshore Applications**

DETECT OIL MIST IN OPEN SPACES

The G26 Ambient Oil Mist Detector (AOMD) is an opacity meter which is designed to detect oil mist in open spaces. The system uses the latest green and solid laser technology with a double pass measurement method. The system provides the measurement in units of opacity (0-100%).

The control and monitoring unit of the G26 has an HMI for visualization and operation. The graphic visualization on the home screen shows an immediate overview of the atmospheric oil mist conditions in the locations under detection.

SIMPLE & RELIABLE SYSTEM

The G26 AOMD is a simple and reliable system. The line of sight measurement does not require any sampling devices. This feature minimizes the system operating faults causing by any parts of the sampling devices including mechanical or contamination problems over time.

The system does not require much maintenance except occasional cleaning of the lenses and calibration.

The double pass opacity meter is known for its reliability, high accuracy and precision. The G26 AOMD is designed for marine application, thus the system is robust while operating in the extreme working environment at sea.

PREVENT FIRE HAZARD

LARGE AREA COVERAGE

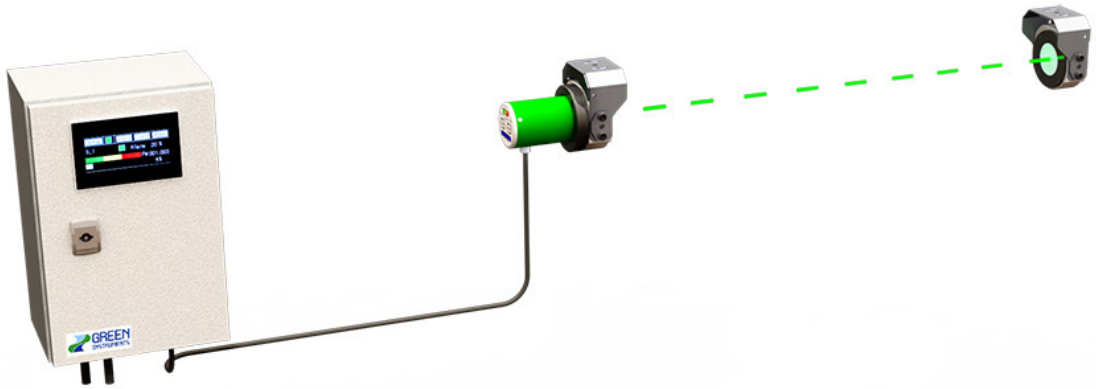
The G26 has several decisive advantages compared to traditional oil mist detectors. With a scanning distance from 1 to 15 meters, each G26 AOMD is able to cover a larger area, thus increasing safety in an economic friendly way.

The G26 can be configured with a number of detectors, allowing the system to monitor the oil mist in several different locations at the same time.

PREVENT FIRE HAZARD

Early alarms on the formation of oil mist in the atmosphere are important to identify the risk of fire hazard, especially at the locations with high potential of oil mist generation.

The G26 AOMD provides the user with an early alarm to minimize fire hazard. The G26 has a quick response time and any minor or major oil leak will trigger the alarm even before a fire has started, thus avoiding a potential catastrophe.



SPECIFICATIONS - G26

CONTROL AND MONITORING UNIT (SUPPORTS 2X G26)

Power supply	
Standard	20 - 30 VDC- 2 A
Optional	100 - 240 VAC - 50/60 Hz - 1.4 A
Ambient temperature	0 - 55 °C
Communication options:	All included as standard
Analog output	2 x 4 - 20 mA max. 500 Ω - active & linearized
Digital output	4 x alarm relays
Bus	Modbus TCP/IP
Alarm level	Alarm level is configurable
	Warning level is automatic set at 50% of alarm level
Alarm delay	Default 0 s /programmable (0 - 1800 s)
Enclosure	IP 65 steel box
Dimensions	H×W×D: 300x200x150 mm/5.5 kg

TRANSCEIVER INCL. REFLECTOR & MOUNTING BRACKETS

Measuring range	0 - 100 % Opacity
Accuracy	Better than 2 % of full scale
Scanning distance	1.0 to 15.0 m
Measuring principe	Transmission Double Pass
Ambient temperature	0 - 55 °C
Enclosure class	B/IP 66
Dimensions/weight:	
Transceiver	LxHxW: 150x116x140mm/1,7 kg (incl. mounting brackets)
Reflector	LxHxW: 52x116x140mm/1,3 Kg (incl. mounting brackets)

ASSESSORIES AND OPTIONAL

Optional	Purge air module for monitoring at ventilation ducts
	Audit filter; Remote digital display; Audio alarm buzzer
	Visualization, recorder and data logging

Specifications subject to changes without notice