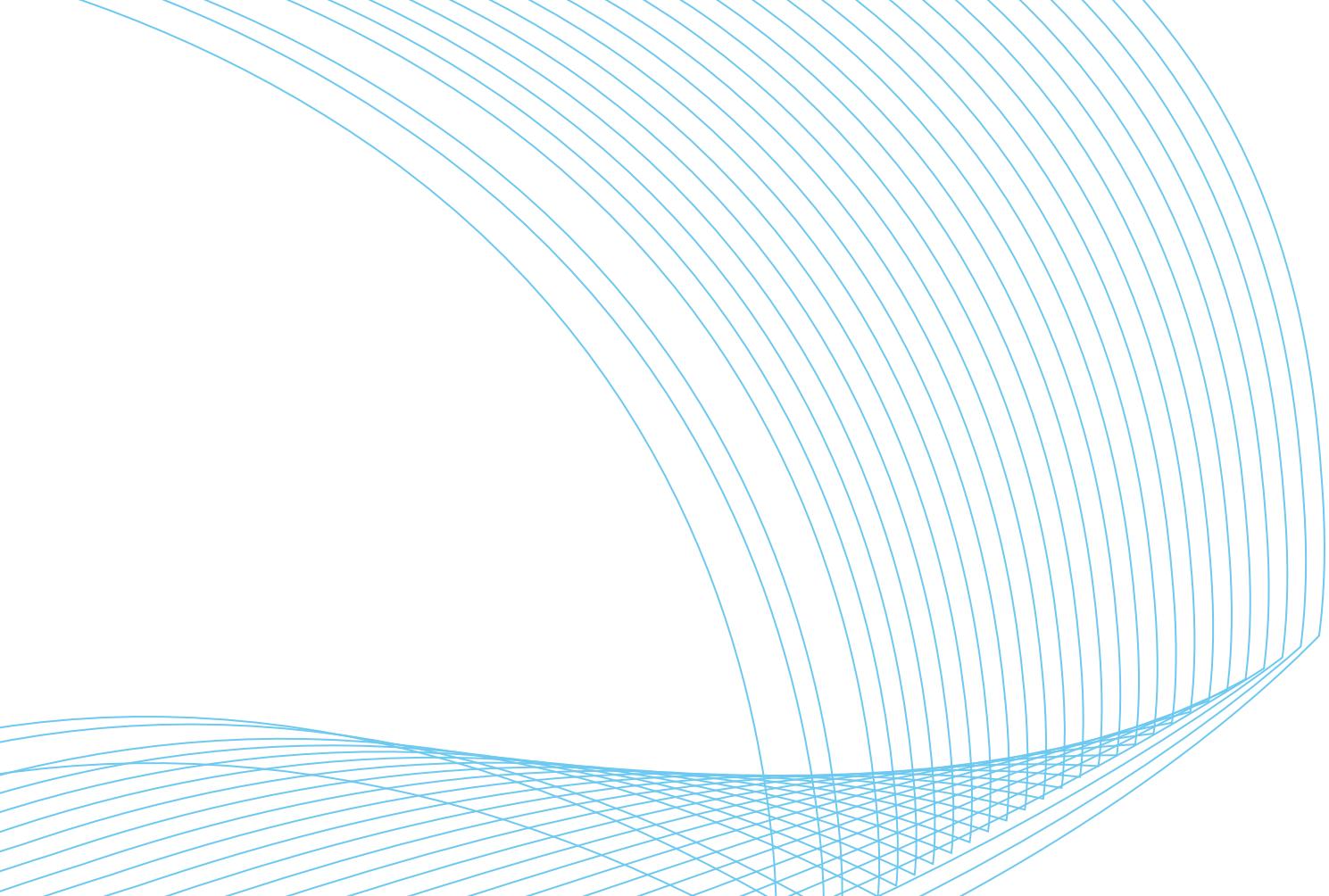




# G26 AMBIENT OIL MIST DETECTOR

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



# COST-EFFECTIVE PROTECTION



## KEY FEATURES

- **Graphic visualization for atmospheric oil mist conditions**
- **Compliant with inspection programs such as SIRE**
- **Large area coverage per detector**
- **Number of detectors per monitor configurable**
- **Lens cleaning alarm and oil mist alarm**
- **BUS communication**
- **Easy to install**
- **User-friendly interface with touch screen**
- **Easy cleaning of open lenses**
- **Robust design with low maintenance cost**

## 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 is an opacity meter which is designed to monitor oil mist in open spaces. The system uses the latest green and solid laser technology with the double pass measurement method. The system provides the measurement in units of opacity (0-100%).

## SIMPLE & RELIABLE SYSTEM

The G26 Ambient Oil Mist Detector 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 the mechanical or contamination problems over time. With no moving parts, the system does not require much maintenance except occasional cleaning of the lenses and calibration.

The double pass opacity meter is known with its reliability, high accuracy and precision. The G26 Ambient Oil Mist Detector is designed purposely to marine application thus the system is robust while operating in the extreme working environment at sea.

# FOR HYDRAULIC INSTALLATIONS AND FUEL LINES



## LARGE AREA COVERAGE

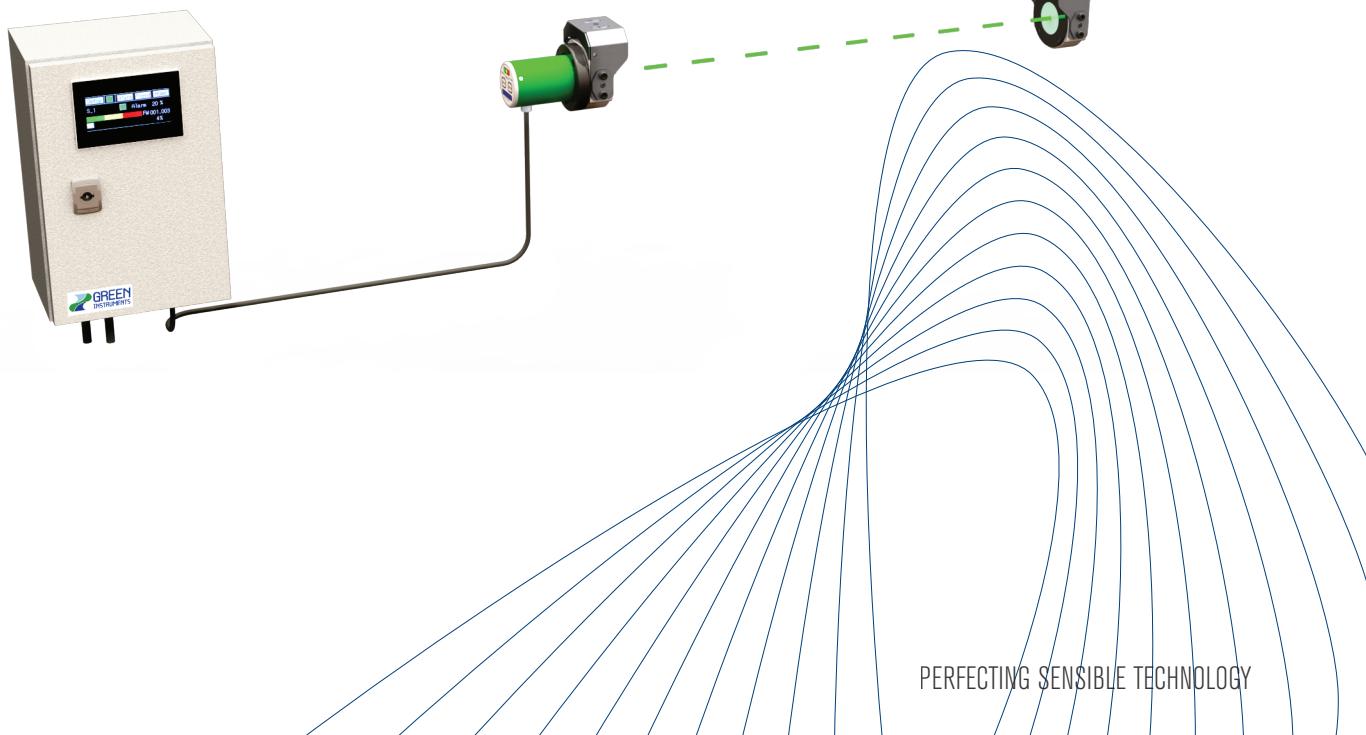
The G26 has the several decisive advantages compared to the single point extractive sampling system. Each detector can cover a much larger area. The scanning distance of a detector is from 1 to 15 meters.

Compared to our G2000 Ambient Oil Mist Detector - a single detector system, 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 at the atmosphere are important to identify the risk of fire hazard, especially at the locations with high potential of oil mist generation such as engine rooms, oil purifying rooms, and hydraulic pump rooms on board ships, as well as fixed and floating offshore platforms.

The control and monitoring unit of the G26 has an HMI module for visualization and operation. The graphic visualization on the home screen shows an immediate overview of the atmospheric oil mist conditions in different locations under detection. The feature provides possibility for quick handling of any minor or major oil leakage much earlier than any traditional alarm system.



# SPECIFICATIONS - G26

## CONTROL AND MONITORING UNIT

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<b>Power supply</b>	Standard 20 - 30 VDC- 2 A - optional 100 - 240 VAC - 50/60 Hz - 1.4 A
<b>Ambient temperature</b>	0 - 55 °C
<b>Communication</b>	MODBUS TCP/IP
<b>Analog output</b>	2 x 4 - 20 mA max. 500 Ω active & linearized
<b>Alarm output</b>	4 x alarm relays
<b>Alarm level</b>	Alarm level is configurable
	Warning level is automatic set at 50% of alarm level
<b>Alarm delay</b>	Default 0 s /programmable (0 - 1800 s)
<b>Display</b>	Opacity: 0 - 100 %
<b>Accuracy</b>	Better than 2 % of full scale
<b>Enclosure</b>	IP 65 steel box
<b>Dimensions</b>	H×W×D: 300x200x150 mm/5.5 kg

## TRANSCEIVER

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<b>Measuring range</b>	0 - 100 % Opacity
<b>Measuring principle</b>	Transmission
<b>Ambient temperature</b>	0 - 55 °C
<b>Protection</b>	IP 66
<b>Dimensions/weight</b>	OD 60 mm, length 125mm/1 Kg
<b>Scanning distance</b>	1.0 to 15.0 m

## ASSESSORIES AND OPTIONAL

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<b>Mandatory</b>	Refector module Alignment brackets
<b>Optional</b>	Audit filter; Remote digital display; Audio alarm buzzer Visualization, recorder and data logging

Specifications subject to changes without notice

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