



**OGTECH**  
Oil & Gas Technologies



## OILVIEWER OIL DETECTOR

Specifically designed for real time detection of oil spills on water and ground surfaces in continuous automatic mode. It detects the specific fluorescence of oil caused by its exposure to certain UV light emissions, while not reacting to other materials that may appear in the observation area, in order to reduce false alarms.



## OILVIEWER OIL DETECTOR

When the oil is detected, the system generates an alarm in real time, sent to the control room. It is designed for continuous unattended detection of oil leaks on the water or on the ground, in places such as industrial plants, oil storage terminals, waterways, harbors and other sites where environment is a concern.

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• Optical UV fluorescence, calibrated to detect oil products only, no false alarm

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• 10 µm thick oil spill contactless detection up to 10 m

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• Very compact, lightweight and remote set up for easy installation

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• Works with rainwater, condensation, or sea water

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• Automatic self-diagnostic for 24/7/365 operation

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• Maintenance free and low operational cost (UV light to be changed every 5 years max)

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• IP68 – Atex enclosure available -

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• Operates as standalone or networked units.

To monitor multiple OilViewer and locate more precisely the origin of an alarm, we propose our Multiple OilViewer Monitoring Software (MOMS)



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DETECTION	
MINIMUM DETECTION FOR OIL	From 10 µm oil film thickness
SENSITIVITY	+/- 1µm
RESPONSE TIME (at 20°C)	Gasoline < 5sec Diesel < 5 sec
SENSING DISTANCE	1-10 m (recommended 3m)
DETECTION AREA	10 cm diameter at 3m 45 cm diameter at 10m
SENSING FREQUENCY	10 Hz, Adjustable
MEASURES TIME LAPSE INTERVAL	Adjustable from ½ s to 99 min.
DETECTOR	
TECHNOLOGY	Optical UV fluorescence UV-A (365 nm) for most oil products UV-B (280 nm) for very light oils (kerosene, jet fuel) and other light products (gasoil, light diesel, organic solvents..)
LAMP WEAR LIFE	5 years
EMISSION SAFETY CLASS	3B
COMMUNICATION	4-20 mA; Modbus RS-485; Alarm SPDT
POWER SUPPLY	
CONSUMPTION	5 W, 12 VDC
CURRENT	250mA

SELF DEFAULT TESTING	
DETECTION	To control detection, a spray can be delivered with the equipment, filled with a sample of the product to be detected, can be used to simulate a leak
COMMUNICATION LINE	The management module monitors the line in real time
DETECTOR	The management module monitors the detector in real time
PHYSICAL CHARACTERISTICS	
DIMENSIONS	Ø 10 cm, Length 27 cm
CASING	IP 68 painted Aluminum (ATEX casing Optional)
WEIGHT	1.9 kg / ATEX 4.9 kg
CE DECLARED WITH APPLIED STANDARDS	EN 61010-1:2010, EN 61000-6-2:2004, EN 61000-6-3:2007
CONNECTOR	PE M20
ENVIRONMENTAL	
OPERATIONAL TEMPERATURE	-20°C to +55°C
STORAGE TEMPERATURE	-40°C to +75°C

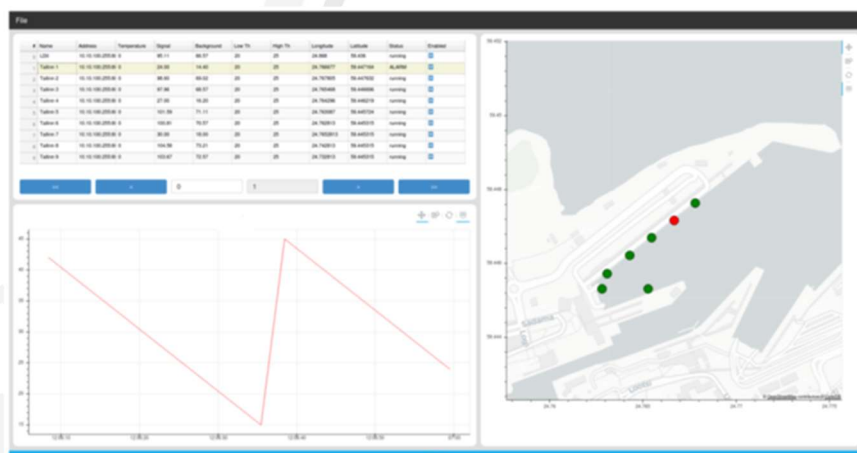


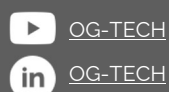
Figure 1

Multiple OilViewer units can be linked together and displayed on a map in your control room. In case of alarms the unit which triggered the alarm is shown in red, as opposite, in order to locate the spill.

«We see what you can't see»



www.og-tech.fr  
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Do not hesitate to contact your local representative: