

# BlueHawk™ – “Keep the seas blue”

## Oil Detection Sensor



- The BlueHawk™ sensor is aimed for detection of oil films on water and ground surfaces in continuous unattended mode.
- When the oil is detected the system generates ALARM delivered to the control terminal station according to the installation structure.
- Sensing, processing and alarming are done continuously in 24/7 real-time mode.



Water intake



ATEX locations



UAV model



Remote harbor location

## Design

- The BlueHawk™ sensor is assembled in a weatherproof enclosure (ATEX enclosure is available for the application in hazardous areas) and includes electronics and communication means providing all-sufficient operations as a stand-alone or network unit.
- It is designed for continuous unattended operation in the risk areas for an oil leak in the water or on the ground, including industrial plants, oil storage terminals, waterways, harbours, and other sites of environmental concern.












ATEX Model

## Technical Specification

Sensitivity for oil	From 1 $\mu$ m oil film thickness
Sensing distance	1-10 m
Sensing frequency	10 Hz, Adjustable
Light emission wavelength	UVA or UVB
Emission safety class	3B
Operational Temperature	-20°C to +55°C
Waterproof Housing	IP68 painted aluminum, ATEX
Power consumption	5 W, 12 VDC
Communication	Modbus RS-485; Alarm SPDT
Dimensions	$\varnothing$ 10 cm, Length 27 cm
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

## Features

 <p>Non-contact detection of oil products in water and on ground</p>	 <p>No false alarms by other than oil objects</p>	 <p>All-weather design with low maintenance</p>
 <p>Light in weight</p>	 <p>Low power consumption</p>	 <p>Continuous and autonomous operation</p>
 <p>Remote access to setup operational parameters</p>	 <p>Applicable in hazardous locations</p>	 <p>Operates as a stand-alone or network unit</p>