

Spill-Hawk10

“Keep our seas blue”

Oil Spill Detection Sensor



- The Spill-Hawk10 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 an 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 Spill-Hawk10 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 µm 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	Ø 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

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