



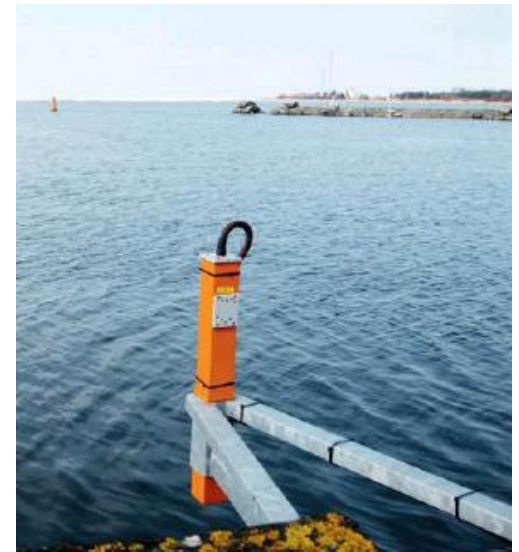
APPLICATIONS

- Oil and petrochemical facilities.
- Maritime transport and logistics operations.
- Generation and distribution facilities.
- Mining.
- Farming.
- Environmental control of ecological areas.
- Water treatment facilities.
- Coastal applications.
- Industrial applications.

KEY FEATURES

- Hermetic design.
- IP68 protection.
- 5-year LED life.
- Low energy consumption.
- Offline operations.
- Pressurized with inert nitrogen.
- Detection of hydrocarbon spots from microns up to 10m.
- Compatible with Smartyplanet.

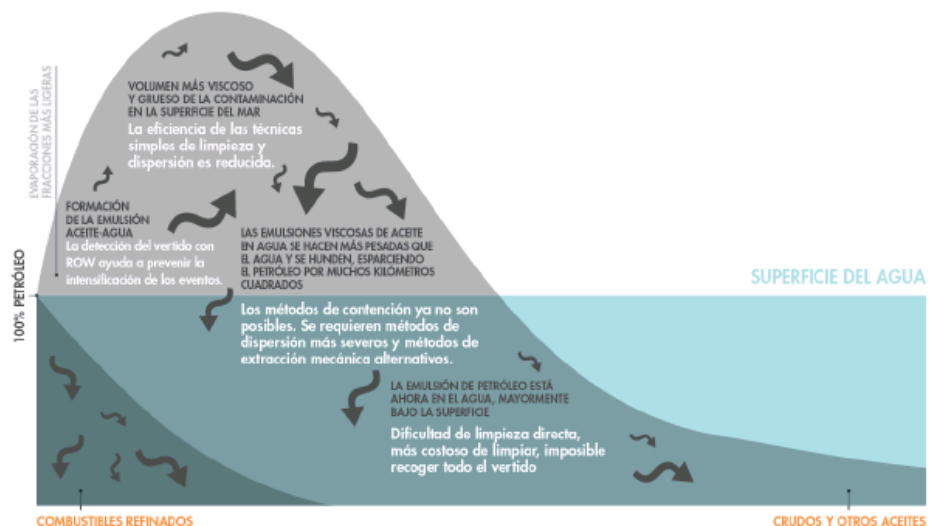
Probe designed for hydrocarbons detection



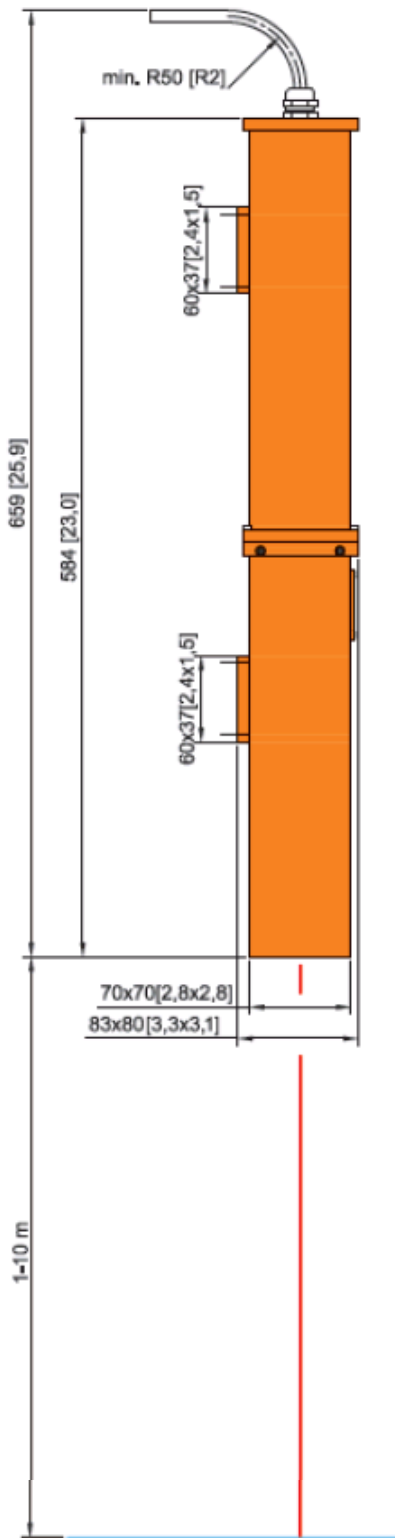
It is a remote autonomous sensor for the detection of oil (oil) in water. Highly accurate, easy to maintain, it quickly encounters hydrocarbon spills before they are out of control.

Airtight design, IP68 certified and 5 years of LED life. Low power consumption <2W that allows remote offline operations (with solar panels). Pressurized with inert nitrogen.

To detect hydrocarbon spots from a single micron up to 10 meters above water, the sensor sends 365nm UV beams to the surface and excites any hydrocarbon molecules in the selected area. Using native oil fluorescence, the sensor collects the signal from developer substances and alerts the operator in charge.



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Mechanical features

Measurement range	From 0,3m to 10m below the water level (sensor installed above water level)	
Sensitivity	> 1 micron of oil	
Operating temperature	From -25°C to +60°C	
Protection	IP68, pressurized (1,5 atm, N2) hermetically sealed, weather-proof, powder-coated anodized aluminium	
Dimensions	659 x 83 x 80 mm with wire	
Weight	1,7 kg (independent unit)	
Supply	12 VDC (±2V) standard Other options: 110/220 VAC 60/50 Hz Adapter AC/DC, solar power optional	
Energy	< 2 W (DC)	
UV light source	Ultraviolet LED pulsed, coaxial, almost parallel	
LED life	Minimum 5 years with high sampling frequency	
Output	Relays	Standard
	RS485	Standard
	4-20 mA	As required
	RS232	Optional
	Ethernet / LAN	Optional
	Wireless	Optional
Wireless options	Audio alarm	Optional
	Radio Link, Wi-Fi, GSM	