

Oil Detector

Hydrocarbon UV Fluorometer

max. depth 2,000 m.



Sea & Sun
Technology

Online fluorometers allow continuous measurements and nondestructive sampling in combination with high specificity and low detection limits. The instrument is compact designed and capable to be operated in depth up to 500 m (2,000 m). It can be powered by 12 V or 24 V and is suited for portable operation in remote regions as well as for permanent stationary monitoring.

Combined with a portable field unit (PC), the user can operate a small and handy stand-alone aromatic monitoring system.

Typical applications include:

- crude oil detection, leakage control at offshore oil pipelines with remote operated vehicles (ROV)
- monitoring of organic fluorescent agents (humic acids, amino acids, BTXE and polycyclic aromatic hydrocarbons)
- supervision and online control of fresh water in waterworks and boreholes
- monitoring of waste water in industrial and municipal sewage works
- fuel detection in natural waters and sewage plants
- monitoring of waste water vanes in the region of outlets, spreading and mixing processes in rivers, lakes and estuaries



Oil detector / Hydrocarbon UV fluorometer

Pressure resistance	500 or 2,000 dbar	
Resolution	0.01 µg/l	
Range	Range I: 0...500 µg/l	Range II: 0...5,000 µg/l
Automatic corrections	compensation for dropping flash intensity daylight suppression	
Response time	500 ms	
Supply voltage	9...36 V	
Material	Titanium housing	
Dimensions / Weight	88 mm Ø, 220 mm housing, 280 mm overall length / 2.7 kg	
Principle	Fluorescence / Flash intensity	
Used as	single sensor	



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