

FP360sc Oil-in-Water Sensor, 500 ppb, Stainless Steel Body, 10 m (32.8 ft) Cable, with Cleaning Unit

Product #: **LXV441.99.11202**

ZAR Price: Contact Hach
Ships within 3-5 weeks

Continuous oil-in-water monitoring for the right price.

Even the smallest oil traces can impair water quality. The FP 360 sc is specifically designed to detect traces of mineral oils in water while providing the necessary value and benefits for a positive return on investment. The sensor monitors surface water, process water and industrial water continuously. It has a submersible probe design. The sensor comes with an optional cleaning unit. Calibrate once every two years. Available in stainless steel or titanium.

Lowest Cost of Ownership
The FP 360 sc is specifically designed to detect traces of mineral oils in water while providing the necessary value and benefits for a positive return on investment.

The Right Technology for the Right Price
Due to its unique combination of submersible probe design and UV fluorescence sensing technology, the FP 360 sc delivers the best technology to detect oil in water and is priced below competitive UV fluorescent instruments.

Minimal Maintenance
The FP 360 sc has no tubes, pumps, or valves that can foul or require constant maintenance interventions. Maintenance is limited to occasional wiping of the sensor's measurement window, calibration once every two years, and Xenon lamp replacement every four years.

Reduced Laboratory Testing
While laboratory testing is the ultimate method of measuring oil in water, it is a long and complex process that requires special equipment and trained lab personnel. The FP 360 sc provides a cost-effective, continuous online monitoring solution to maintain process control and avoid oil contamination with minimal laboratory testing.

High Sensitivity and Selectivity
The FP 360 sc can detect and measure polycyclic aromatic hydrocarbons (PAHs) from 1.2 ppb to up to 5000 ppb (µg/L). This is approximately equivalent to a concentration of mineral oil between 0.1 to 150 ppm (mg/L). Furthermore, the FP 360 sc method of detection makes it impervious to interferences by turbid water or natural organic and biological matter that impact online light scattering, UV absorbance, and VIS fluorescence instruments.

Specifications

Ambient Temperature:	-5 - 45 °C (23 - 113 °F)
Body material:	Stainless Steel
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Cable Length:	10 m (32.8 ft)
Calibration:	Factory calibrated with UV fluorescence standard or process calibration with results of a grab sample analysis.

Detector:	UV photodiode with interference filter; Compensation of daylight and flashlamp intensity fluctuations
Excitation:	Wavelength 254 nm
Height:	12.5 " or 306 mm (DxH; without connector and suspension pin)
Light source:	Miniature xenon flashlamp with interference filter
Material:	Housing: Stainless steel 316Ti (1.4571)
Measurement method:	UV fluorescence method for polycyclic aromatic hydrocarbons (PAH)
Measuring range:	0 - 500 ppb (µg/L) (PAH) or 0.1 - 15 ppm (mg/L) (Oil)
pH Value(s):	≥ 4
Pressure Range:	Max. 30 bar 30 bar or 435 psia (measurement probe)
Protection Class:	IP68
Reproducibility:	2.5 % of measured value at constant temperature
Response Time T90:	10 s
Sample Temperature:	1 - 40°C (33.8 - 104°F)
Sensor cleaning:	Yes
Storage conditions:	-40 °C to 60 °C
Warranty:	12 months
Weight:	Stainless Steel: 2.8 kg
What's included?:	Oil-in-water probe, user manual

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Oil-in-water probe, user manual

Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, US plug (Item LXV525.99E11551)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)