



FP360sc Oil-in-water probe, 0.1-15 ppm Oil, Titanium Body, 10 m, w/o cleaning

Product #: LXV441.99.12102
ZAR Price: Contact Hach
Ships within 3-5 weeks

Continuous oil-in-water monitoring for the right price

Even the smallest oil traces impair water quality. The probe monitors surface waters, process water and industrial water continuously for even traces of mineral oil contamination. The highly sensitive UV fluorometer is immersed directly in the medium. For reliable, long term stable hydrocarbon monitoring, intensity fluctuations of the flash lamp are compensated. Influences associated with daylight are automatically eliminated. The probe can be combined with additional sensors on the SC controllers.

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 ($\mu\text{g/L}$). 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:	Titanium
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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
Diameter:	68 mm
Excitation:	Wavelength 254 nm
Length:	311 mm
Light source:	Miniature xenon flashlamp with interference filter
Material:	Housing: titanium
Measurement method:	UV fluorescence method for polycyclic aromatic hydrocarbons (PAH)
Measuring range:	0.1 - 15 ppm (mg/L) Oil, based on calibration standard
pH Value(s):	≥ 4
Pressure Range:	Max 30 bar or 435 psia (measurement probe)
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:	No
Storage conditions:	-40 °C - 60 °C
Warranty:	12 months
Weight:	1.8 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)