

FP360sc PAH/Oil Fluorescence probe, 0-500 ppb, Titanium Body, 10 m, with cleaning

Product #: **LXV441.99.12201**

AED Price: Contact Hach

Continuous oil-in-water monitoring for the right price

Fluorescence probe for PAH/Oil in water measurements, range 0-500 ppb (PAH calibration standard). Titanic enclosure, 10 m cable, with cleaning unit.

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 fluctations

of the flashlamp are compensated. Influences associated with daylight are automatically eliminated.

The probe can be combined with additional sensors on the SC controllers.

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.

One to eight sensors
The Hach Digital Controller Family can receive data from up to eight Hach digital sensors, including oil-in-water, suspended solids, turbidity, pH/ORP, dissolved oxygen, conductivity, ammonium, phosphate, SAC, and nitrate in any combination.

There’s no complicated wiring or set up procedures with the family of controllers. Just plug the sensor to any Hach digital controller and it’s ready to use because it’s “plug and play.”

Specifications

Ambient temperature:	-5 - 45 °C
Body Material:	Titanium
Cable length:	max. 40 m (130 ft) incl. extension cable
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
Housing material:	Titanium
Length:	311 mm
Light source:	Miniature xenon flashlamp with interference filter
Material:	titanium
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 (measurement probe)
Reproducibility:	2.5 % of measured value at constant temperature
Response time:	10 s
Sample temperature:	1 - 40 °C
Sensor cleaning:	Yes
Storage conditions:	-40 °C - 60 °C
Warranty:	24 months
Weight:	1.8 kg
What's included?:	Oil-in-water probe, user manual

What's included?

Oil-in-water probe, user manual

Required Accessories

- SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug (Item LXV400.99.2R121)
- SC1000 Display Module (Item LXV402.99.00001)
- 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)