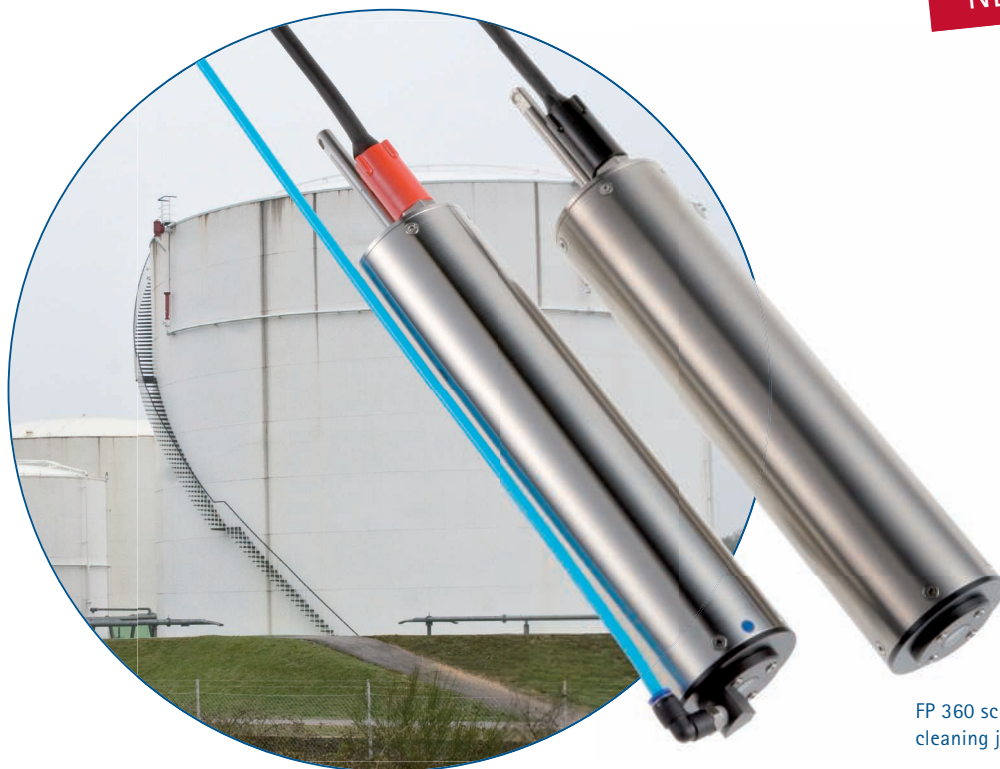


NEW!



FP 360 sc in stainless steel with optional cleaning jet (left) and in titanium

FP 360 sc immersion probe for detection of oil in water

- **Immersible probe: measures directly in the medium**
- **Mineral oil in water – down to the trace range**
- **Rugged probes, also available in titanium**
- **Digital SC controller for up to 8 probes**

Direct measurements in the medium

Even the smallest oil traces impair water quality. The FP 360 sc 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. The rugged housing of the FP 360 sc is made of stainless steel or, for use with aggressive media, titanium. The probe is simple to clean and is available with a compressed air cleaning jet.

Reliable and secure

For reliable, long term stable hydrocarbon monitoring, the FP 360 sc compensates intensity fluctuations of the flashlamp. Influences associated with daylight are automatically eliminated.

The FP 360 sc probe can be combined with additional sensors on the SC controllers. Parallel measurement of several parameters gives a high level of operational security everywhere!



LANGE

Technical data

Measurement method	UV fluorescence method for polycyclic aromatic hydrocarbons (PAH)	
Light source	Miniature xenon flashlamp with interference filter	
Detector	UV photodiode with interference filter; Compensation of daylight and intensity fluctuations of flashlamp	
Excitation wavelength	254 nm	
Measurement wavelength	360 nm	
Measuring range	Low measuring range: 0–50 µg/l and 0–500 µg/l (PAH)* 0.1–1.5 mg/l and 0.1–15 mg/l (oil)*	High measuring range: 0–500 µg/l and 0–5,000 µg/l (PAH)* 0.1–15 mg/l and 0.1–150 mg/l (oil)*
Resolution	0.1 µg/l (PAH) in the lowest measuring range	
Reproducibility	2.5 % of measured value at constant temperature	
Response time	10 s (T90)	
Calibration	Factory calibrated with UV fluorescence calibration standard; customer-specific calibration possible	
Sample temperature	+1 to +40 °C	
Pressure range	Max. 30 bar (measurement probe)	
Housing	Stainless steel 1.4571 or titanium	
Dimensions	68 × 306 mm (D × H; without connector und suspension pin)	
Weight	Stainless Steel approx. 2.8 kg; Titan approx. 1.8 kg	

*with Calibration Standard

Order information for FP 360 sc

LXV441.99.11101	0–500 µg/l, stainless steel, 10 m cable
LXV441.99.11201	0–500 µg/l, stainless steel, 10 m cable, with cleaning jet
LXV441.99.11301	0–500 µg/l, stainless steel, 1.5 m cable
LXV441.99.12101	0–500 µg/l, titanium, 10 m cable
LXV441.99.12201	0–500 µg/l, titanium, 10 m cable, with cleaning jet
LXV441.99.12301	0–500 µg/l, titanium, 1.5 m cable
LXV441.99.21101	0–5,000 µg/l, stainless steel, 10 m cable
LXV441.99.21201	0–5,000 µg/l, stainless steel, 10 m cable, with cleaning jet
LXV441.99.21301	0–5,000 µg/l, stainless steel, 1.5 m cable
LXV441.99.22101	0–5,000 µg/l, titanium, 10 m cable
LXV441.99.22201	0–5,000 µg/l, titanium, 10 m cable, with cleaning jet
LXV441.99.22301	0–5,000 µg/l, titanium, 1.5 m cable

Subject to change



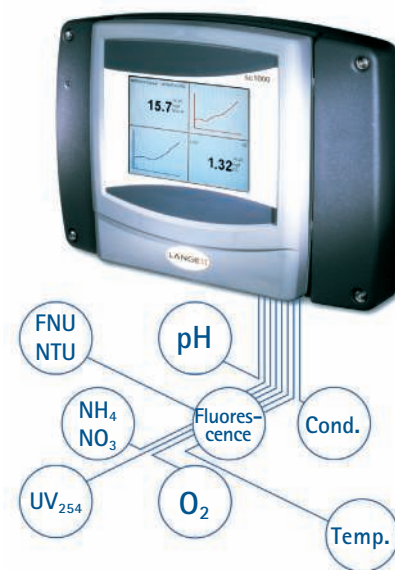
Flow cell with wall panel

Variable attachments

The FP 360 sc probe can be suspended directly in the measurement medium with the help of a chain attachment. Additional accessories include a flow cell for wall mounting.

Method: UV fluorescence

Polycyclic aromatic hydrocarbons (PAH) emit light with a longer wavelength (fluorescence) after excitation by ultraviolet radiation. This method is more sensitive than measuring absorbance or scattered light. PAHs are components of most mineral oils. They are therefore a highly specific indicator of the presence of oil contamination in surface waters, process water or industrial water. The PAH concentration of mineral oils can be used to calculate the total oil content of the water.



SC CONTROLLER

Up to eight SC probes or analysers can be connected; optional expansion through networking

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