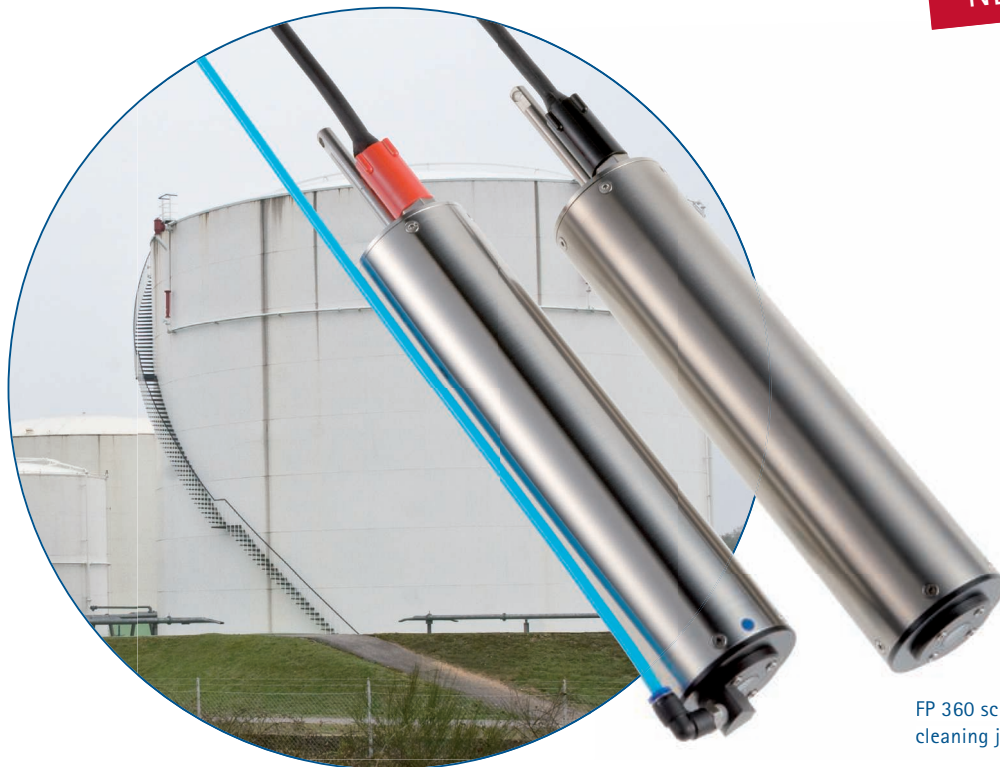


**NEW!**



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**
- **From mineral oils in water down to 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, stable, long-term carbon dioxide monitoring, the FP 360 sc compensates for intensity fluctuations with a 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

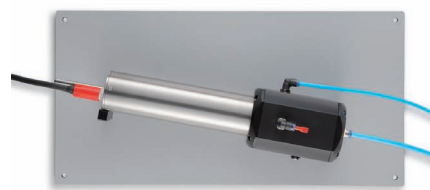
Measurement method	UV fluorescence method for polycyclic aromatic hydrocarbons (PAH)	
Light source	Miniature xenon flashlamp with interference filter	
Detektor	UV photodiode with interference filter; Compensation of daylight and intensity fluctuations of flashlamp	
Excitation wavelength	254 nm	
Measurement wavelength	360 nm	
Measuring range	Low measuring range: [0–50 µg/l and] 0–500 µg/l (PAH)* High measuring range: [0–500 µg/l and] 0–5,000 µg/l (PAH)* 0–1.5 mg/l and 0–15 mg/l (oil)* [0–15 mg/l and] 0–150 mg/l (oil)*	
Resolution	0.1 µg/l (PAH) in the lowest measuring range	
Reproducibility	2.5 % of measured value	
Response time	10 s (T90)	
Calibration	Factory calibrated with phenanthrene; 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 x 311 mm (D x H; without connector und suspension pin)	
Weight	Stainless Steel aprox. 2.8 kg; Titan aprox. 1.8 kg	

\*with Calibration Standard

## Order information for FP 360 sc

LXV441.99.11100	0–500 µg/l, stainless steel, 10 m cable
LXV441.99.11200	0–500 µg/l, stainless steel, 10 m cable, with cleaning jet
LXV441.99.11300	0–500 µg/l, stainless steel, 1.5 m cable
LXV441.99.12100	0–500 µg/l, titanium, 10 m cable
LXV441.99.12200	0–500 µg/l, titanium, 10 m cable, with cleaning jet
LXV441.99.12300	0–500 µg/l, titanium, 1.5 m cable
LXV441.99.21100	0–5,000 µg/l, stainless steel, 10 m cable
LXV441.99.21200	0–5,000 µg/l, stainless steel, 10 m cable, with cleaning jet
LXV441.99.21300	0–5,000 µg/l, stainless steel, 1.5 m cable
LXV441.99.22100	0–5,000 µg/l, titanium, 10 m cable
LXV441.99.22200	0–5,000 µg/l, titanium, 10 m cable, with cleaning jet
LXV441.99.22300	0–5,000 µg/l, titanium, 1.5 m cable

Subject to change



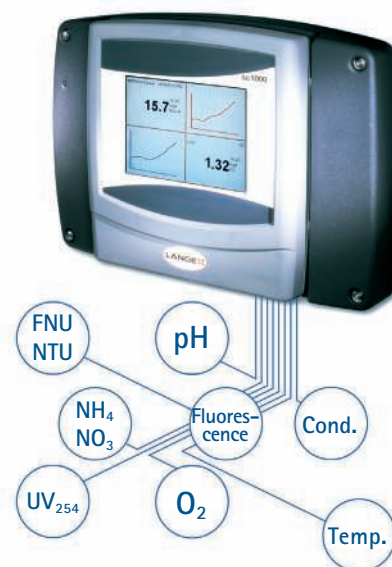
Flow cell with wall panel

## 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

HACH LANGE LTD  
Pacific Way  
Salford  
GB-Manchester, M50 1DL  
Tel. +44 (0)161 872 1487  
Fax +44 (0)161 848 73 24  
info@hach-lange.co.uk  
www.hach-lange.co.uk



Phone: (0161) 872 14 87



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