

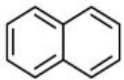
# NEREID Oil

## Online Öl-im-Wasser Sensor

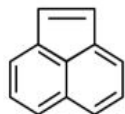
„Das Unbekannte beleuchten“

### Produkteigenschaften

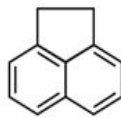
- detektiert PAH & BTEX im Wasser
- IoT-fähig / Wasser 4.0
- modulares Design
- kurze Messintervalle (pro Sekunde)
- ab Werk kalibriert
- hohe Energieeffizienz
- verbesserte optische Leistung
- revolutionäre Präzision
- Simplified source
- niedrige OpEx & CapEx



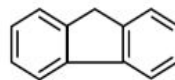
Naphthalene



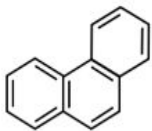
Acenaphthylene



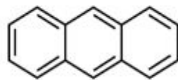
Acenaphthene



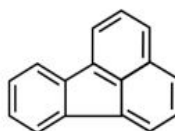
Fluorene



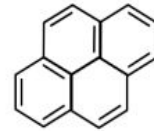
Phenanthrene



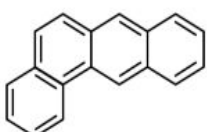
Anthracene



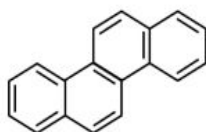
Fluoranthene



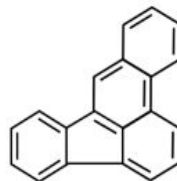
Pyrene



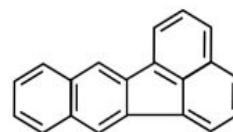
Benzo[*a*]anthracene



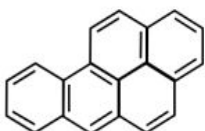
Chrysene



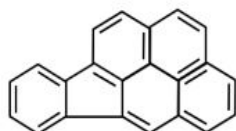
Benzo[*b*]fluoranthene



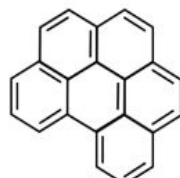
Benzo[*k*]fluoranthene



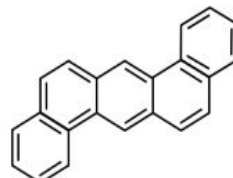
Benzo[*a*]pyrene



Indeno[1,2,3-*c,d*]pyrene



Benzo[*g,h,i*]perylene



Dibenzo[*a,h*]anthracene



benzene



toluene



ethylbenzene



ortho-xylene



meta-xylene



para-xylene



para-xylene



para-xylene

Technische Daten			
<b>Messprinzip</b>	Fluoreszenz Tech	<b>Gewicht (mind.)</b>	1.2 Kg
<b>automatische Kompensation</b>	integrierter Temperatur und Trübungssensor	<b>Abmessungen (Ø x L)</b>	52 x 97 x 260 mm
<b>Betriebstemperatur</b>	-5°C bis 75°C	<b>Gehäusematerial</b>	POM
<b>Messung</b>	individuell	<b>Antifouling</b>	Kupferoberfläche
<b>Energieverbrauch</b>	max 1 W	<b>Installation / Montage</b>	tauchfähig (In Situ)
<b>Spannungsversorgung</b>	14 - 40 VDC	<b>Kabellänge</b>	individuell
<b>Kommunikation</b>	USB, RS485, Cellular	<b>Schutzart</b>	IP68
<b>Datenvisualisierung</b>	NEREUS App	<b>Periodische Wartung</b>	7-12 Monate

Messparameter	Einheit	Reichweite		Genauigkeit
		Min	Max	
<b>Raffiniertes Öl (BTEX)</b>	mg/l , ppm	0	20	Linearität von 0.95 R <sup>2</sup>
<b>Rohöl (PAH)</b>	ppb	0	3000	Linearität von 0.95 R <sup>2</sup>
<b>Trübung Kompensation</b>	FNU	0	4000	0.1
<b>TSS</b>	mg/l	0	300	0.1
<b>Temperatur Kompensation</b>	°C	-5	+75	0.01

## Anwendungen

- Öl-und Gasindustrie
- Energie industrie
- Flughafen und Schiffsabwasser
- Lebensmittelindustrie
- Industrielles Abwasser
- Chemie-und Petrochemie
- Metallurgie und Bergbau
- Oberflächenwasser, Grundwasser

Alternativ Engineering A-Z GmbH  
Sautterweg 5, 70565 Stuttgart, Germany

Tel: +49 711 30039660  
Email: sales@alternativeng.com  
Web: www.alternativeng.com

