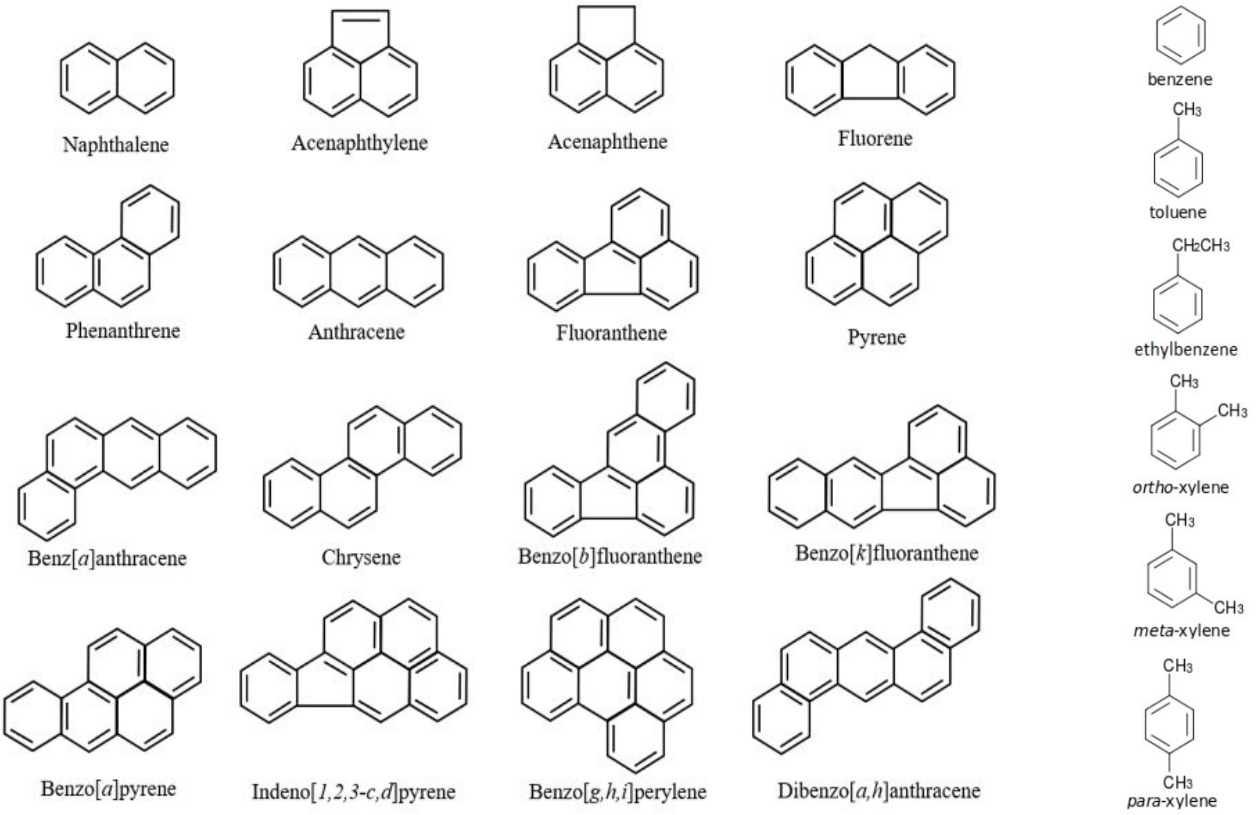
NEREID Oil

Online Oil-in-Water Sensor

”Shedding Light on the Unknown”

Highlights

- Detects PAH & BTEX in water
- IIoT enabled/ Water 4.0
- Simplified source
- Modular design
- Fast measurement interval
- Factory calibrated
- Extremely power efficient
- Improved optical performance
- Revolutionary precision
- Low OpEx and CapEx



Technical Specifications			
Measuring principle	Fluorescence Tech	**Weight (min.)**	1.2 Kg
Automatic compensation	Integrated temperature and turbidity sensor	**Dimension (Ø x L)**	52 x 97 x 260 mm
Operating temperature	- 5°C to 75°C	**Housing material**	Recyclable plastic
Measurement rate	as request	**Anti-Fouling**	Copper surface
Power consumption	Max 1.0 W	**Installation/Mounting**	Submersible (In Situ)
Power supply	AC, 14 - 40 VDC	**Cable length**	5m, 15m, 25m, as request
Communications	RS485, WiFi, Cellular	**Protection class**	IP68
Data Visualisation	NEREUS App	**Periodic Maintenance**	7-12 months

Parameters	Unit	Range		Accuracy
		Min	Max	
BTEX (Refined Oil)	mg/l , ppm	0	20	Linearity of 0.95 R^2
PAHs (Crude Oil)	ppb	0	3000	Linearity of 0.95 R^2
Turbidity Compensation	FNU	0	4000	0.1
TSS	mg/l	0	300	0.1
Temperature	°C	- 5	+75	0.01

Applications

- Oil and gas industry
- Energy industry
- Airports and ships wastewater
- Food and beverage industry
- Industrial Wastewater
- Chemical and petrochemical
- Metallurgy and mining
- Surface water, groundwater
- Marine monitoring

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