

NEREID

Online & Continuous Water Quality Monitoring System

”Shedding Light on the Unknown”

Highlights

- Industry IoT enabled/ Water 4.0
- Factory pre calibrated
- Simplified source
- Low OpEx and CapEx
- Extremely low and power efficient
- 10-1000x more sensitive than UV-Vis
- Water and Wastewater Quality Index
- Revolutionary optical performance and precision
- Compliance with EU, EPA water quality standards



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	on request	Anti-Fouling	Copper surface
Power consumption	Max 1.0 W	Installation/Mounting	Submersible (In Situ)
Power supply	AC, 14 - 40 DC	Cable length	5m, 15m, 25m
Communications	RS485, WiFi, Cellular	Protection class	IP68
Data Visualisation	NEREUS Cloud	Periodic Maintenance	7-12 months

Parameters	Unit	Range		Accuracy
		Min	Max	
Turbidity *	FNU	0	4000	0.01
Temperature	°C	- 5	+75	0.01
BOD	mg/L	0	500	Linearity of 0.95 R ²
COD	mg/L	0	1000	Linearity of 0.91 R ²
TOC	mg/L	0	500	Linearity of 0.95 R ²
WQI WWQI	Index	0 0	100 400	-
* Compliance: ISO 7027-1:2016				

Applications

- Sewage treatment plant
- Smart Cities
- Industrial Wastewater
- Marine, surface water, groundwater
- Food and beverage industry
- Airports and ships wastewater
- Pharmaceutical industry
- Chemical and petrochemical
- Energy industry
- Oil and gas industry
- Pulp and paper
- Metallurgy and mining

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