



exo NitraLED™

UV NITRATE SENSOR FOR FRESHWATER ENVIRONMENTS

Nitrate Monitoring, **Enlightened.**

Utilizing state-of-the-art UV LED technology, EXO NitraLED™ is an optical nitrate sensor designed for long-term, low-drift monitoring. Built-in corrections for Natural Organic Matter (NOM) and Turbidity minimize interference in freshwater environments. Its compact form factor allows for seamless integration with any EXO Sonde.



LIGHT UP YOUR MONITORING!

Expand and enhance your water quality monitoring program with UV Nitrate for more informed decision making.



LIGHTEN YOUR BUDGET!

The world's most accessible monitoring solution for nitrate, at a fraction of the cost of lamp-based monitors.



LIGHTEN YOUR LOAD!

Fits in the palm of your hand—and integrates directly into any EXO Sonde. No external hardware required!



a xylem brand



EXO NitraLED™ NITRATE MONITORING, ENLIGHTENED.



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Nitrate Monitoring, Enlightened.

Sensor Specifications

Dimensions	Length: 21.3 cm Diameter: 1.5 cm Weight: 0.07 kg
Units Measured	NO ₃ -N (Nitrate-N) in mg/L
Sensor Type	Optical, absorbance
Light Source	UV LED (x2)
Nominal Wavelengths	235 nm, 275 nm
Pathlength	10 mm
Measurement Range	0-30 mg/L-N
Minimum Detection Limit ¹	0.01 mg/L-N
Accuracy ¹	0 to ≤10 mg/L ± 0.1 mg/L-N or 5% of reading, w.i.g. (within 2°C) ± 0.4 mg/L-N or 5% of reading, w.i.g. (full temp range)
	>10 to 30 mg/L ± 7% of reading
Response Time	T95 < 30 seconds
Resolution	0.01 mg/L-N
Drift / Stability ²	≤ 0.2 mg/L-N
Repeatability / Precision ¹	≤ 2% Coefficient of Variation (CV)

Additional Specifications

Operating Medium	Fresh water
Operating Temperature	5-35°C
Storage Temperature	-20-80 °C
Depth Rating	250 m
Warranty	2 years
Compatibility	EXO™

Ordering Information

608090	EXO NitraLED Kit for EXO2 / EXO3 [includes sensor, ring & brush]
608040	EXO NitraLED UV Nitrate Sensor
608080	EXO2 / EXO3 Alignment Ring
608085	EXO NitraLED Wiper Brush

¹ The specifications listed apply to analytes comprised of nitrate in pure water only and absent of all other absorbing species.

² Assumes a 30 day deployment with a 15 minute logging interval, and does NOT account for drift due to fouling.

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Who's
Minding
the Planet?®



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