



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!

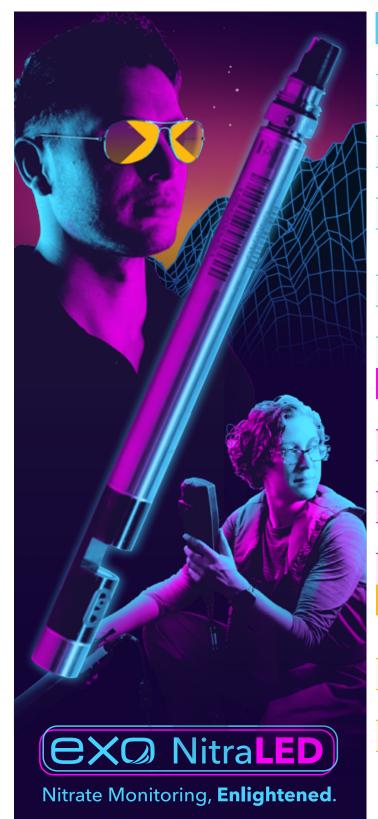
Fits in the palm of your hand-and integrates directly into any EXO Sonde. No external hardware required!



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EXO NitraLEDTM NITRATE MONITORING, ENLIGHTENED.





Senser Specifications	
Sensor Type	Optical, absorbance
Light Source	UV LED (x2)
Nominal Wavelengths	235 nm, 275 nm
Pathlength	10 mm
Measurement Range	0-10 mg/L-N
Lower Detection Limit ¹	0.005 mg/L-N
Accuracy ¹	\pm 0.1 mg/L–N or 5% of reading, w.i.g. (within 2°C) \pm 0.4 mg/L–N or 5% of reading, w.i.g. (full temp range)
Response Time	T95 < 30 seconds
Drift / Stability ²	\leq 0.2 mg/L-N
Repeatability / Precision ¹	\leq 2% Coefficient of Variation (CV)
Additional Specifications	
Operating Medium	Fresh water
Operating Medium Operating Temperature	Fresh water 5-35°C
Operating Temperature	5-35°C
Operating Temperature Storage Temperature	5-35°C -20-80 °C
Operating Temperature Storage Temperature Depth Rating	5-35°C -20-80 °C 250 m
Operating Temperature Storage Temperature Depth Rating Warranty	5-35°C -20-80 °C 250 m 2 years EXO™
Operating Temperature Storage Temperature Depth Rating Warranty Compatibility	5-35°C -20-80 °C 250 m 2 years EXO™
Operating Temperature Storage Temperature Depth Rating Warranty Compatibility Ordering Inform	5-35°C -20-80 °C 250 m 2 years EXO™ ation EXO NitraLED Kit for EXO2 / EXO3
Operating Temperature Storage Temperature Depth Rating Warranty Compatibility Ordering Inform 608090	5-35°C -20-80 °C 250 m 2 years EXO™ ation EXO NitraLED Kit for EXO2 / EXO3 [includes sensor, ring & brush]
Operating Temperature Storage Temperature Depth Rating Warranty Compatibility Ordering Inform 608090 608040	5-35°C -20-80 °C 250 m 2 years EXO™ ation EXO NitraLED Kit for EXO2 / EXO3 [includes sensor, ring & brush] EXO NitraLED UV Nitrate Sensor

Sensor Specifications

These 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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