



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.



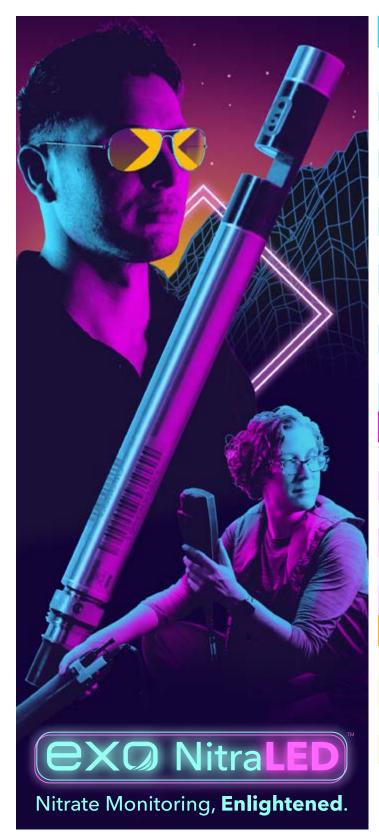
LIGHTEN YOUR LOAD!

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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Sensor Specifications	
Dimensions	Length: 21.3 cm Diameter: 1.5 cm Weight: 0.07 kg
Units Measured	NO3-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	0-10 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 Temperature	5-35°C
Storage Temperature	-20-80 °C
Depth Rating	250 m
Warranty	
wantanty	2 years
Compatibility	2 years EXO™
	EXO™
Compatibility	EXO™
Compatibility Ordering Inform	EXO™ ation EXO NitraLED Kit for EXO2 / EXO3
Compatibility Ordering Inform 608090	EXO™ ation EXO NitraLED Kit for EXO2 / EXO3 [includes sensor, ring & brush]
Compatibility Ordering Inform 608090 608040	EXO™ ation EXO NitraLED Kit for EXO2 / EXO3 [includes sensor, ring & brush] EXO NitraLED UV Nitrate Sensor

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







We represent this supplier. For more information contact Observator Instruments:

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in Australia, Germany, the Netherlands, Singapore and the United Kingdom.

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