



UV NITRATE SENSOR FOR FRESHWATER ENVIRONMENTS

## Nitrate Monitoring, Enlightened.

Utilizing state-of-the-art UV LED technology, EXO NitraLED<sup>™</sup> 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.



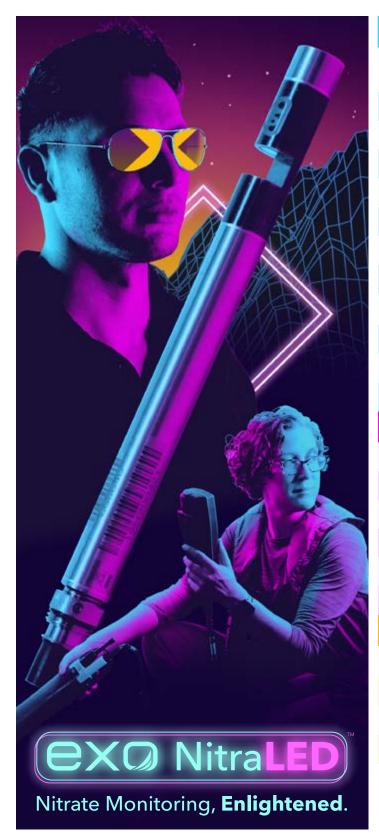
### LIGHTEN YOUR LOAD!

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



a xylem brand

# EXO NitraLED<sup>™</sup> 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 <sup>1</sup>	0.005 mg/L-N
Accuracy <sup>1</sup>	$\pm$ 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 <sup>2</sup>	$\leq$ 0.2 mg/L-N
Repeatability / Precision <sup>1</sup>	$\leq$ 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

<sup>2</sup> 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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