

Distributed by: Lab Unlimited

Whitestown, Dublin 24,

Tel: (01) 4523432

Camberley United Kingdom GU16 7ER Tel: 08452 30 40 30

Fax: (01) 4523967 Web: www.labunlimited.com

Fax: 08452 30 50 30 E-mail: info@labunlimited.com E-mail: info@labunlimited.co.uk Web: www.labunlimited.co.



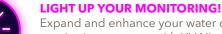


UV NITRATE SENSOR FOR FRESHWATER ENVIRONMENTS



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.



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



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!



EXO NitraLED™ NITRATE MONITORING, ENLIGHTENED.



Sensor Specifications	
Dimensions	Length: 21.3 cm Diameter: 1.5 cm Weight: 0.07 kg
Units Measured	NO3-N (Nitrate-N) in mg/L
SensorType	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	$\leq 0.2 \text{ mg/L-N}$
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 These apply to analytes comprised of nitrate in pure water only and absent of all other absorbing species.

YSI, a Xylem brand 1725 Brannum Lane Yellow Springs, OH 45387



(S) +1.937.767.7241



info@ysi.com













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