

## Nitrate sensor

Based on advanced lab-on-chip technology, this miniaturised microfluidic nitrate sensor performs lab-grade measurements in all liquid water environments. It can also be configured to measure just nitrite.



-  **High performance** - Sensitive wet-chemical analysis
-  **High-resolution data** - every 5 minutes (15 minutes when calibrated)
-  **User friendly** - Easily swappable reagents
-  **Long endurance** - Over 1000 readings per reagent canister
-  **No drift** - Onboard calibration and standardisation
-  **Environmentally friendly** - Contained onboard waste storage
-  **Deep sea** - Deployable to 6000 m depth

### Specifications

Temperature range: 0-35 °C

Power consumption: 1.8 W

Range: 0-1000 µM

Limit of Detection: 0.05 µM

Sample volume: 0.6 mL

Max depth: 6000 m

Comms: USB/serial

Total height: 56 cm

Applications: rivers/estuarine monitoring, aquaculture, ocean science, autonomous vehicles, wastewater monitoring