

A revolutionary new nitrate and nitrite sensor for raw, process and effluent water monitoring



Real-Time Monitoring

- Minimum sampling interval: 15 minutes
- Analytical Range
 - Nitrate: 0.5 - 500 mg/L NO₃
 - Nitrite 0.1 - 100 mg/L NO₂



Accurate & Precise

- Accuracy of over 90%, Precision 95%
- No loss of accuracy or performance in effluent water - No need for sample pre-treatment or add-on sampling equipment



Choice of Data Transmission

- Direct SCADA integration
- And/or IoT enabled with cloud-based Datamonitrix platform for storing and analysing data/setting alarms and alerts



Simple to Use

- Quick and easy to install, set up and operate
 - no site preparation works required
- Compact, lightweight and portable
- Stable calibration and maintenance/servicing-free operation over sustained deployments.
- The only intervention needed is to simply top up the reagent and empty the waste sample as required, depending on sampling frequency.



Low total/lifetime cost of ownership

- Low requirements for skilled personnel for operation or servicing
- Stable calibration and long intervals between servicing
- Reduced reagent costs



Real-time | Accurate | Simple



TECHNICAL DATA SHEET

Specification

- + Analyser technology: Ion chromatography and optical detection
- + Minimum sampling interval: 15 mins
- + Accuracy: > 90%
- + Precision 95%
- + Analytical Range*
 - Nitrate: 0.5 - 500 mg/L NO_3^-
 - Nitrite 0.1 - 100 mg/L NO_2^-

** We can supply custom ranges within these broad limits by adjusting the sample loop to suit your analytical needs*

Dimensions and Features

- + External size: 23cm X 36cm X 57cm (enclosure size, without supporting cradle)
- + Weight: 12 kg
- + Portable
- + Integrated provision for mounting/securing to a fixed surface (e.g. floor, wall, etc.)
- + Integrated carry handle and lockable hinged door
- + Rugged construction: Impact, UV and corrosion-resistant
- + Reagent: Potassium hydroxide (KOH)
- + Alarms and indicators: Tri-colour Status LED

Power Source

- + 15 - 25 V dc input power, 50W max. rated power
- + Integrated battery for backup

User Interfaces/Data Output

- + Wired output transmission: MODBUS over Serial (RS232 / RS485)
- + IoT communication capability
- + Optional IoT Datamonitrix data management platform
- + Data communications via RS232, for commissioning/troubleshooting

Environmental

- + Operating temperature range: 10 - 40°C
- + Sample temperature range: 2 - 50°C
- + Operating humidity range: 10 - 90% RH, non-condensing
- + Storage temperature range: -20 - 60°C
- + Storage humidity range: 10 - 90% RH, non-condensing
- + IP rating: IP65 (IEC 60529)

Certifications

- + C.E. Mark, REACH

Warranty

- + One Year

Want to know more?

Call us on +44 1524 884972 (UK)