

ALS-NIT1

Process Grade Nitrate ISE Sensor

Standard 3/4" NPT threads on the front and rear of the housing allows both inline and submersible type mounting of the ALS-NIT1 Sensor. This ion selective electrode (ISE) uses an ionophore-impregnated membrane selective of NO₃⁻. Internally, this combination electrode includes a sealed, double-junction reference design for low maintenance, and to increase the useful life of the electrode in all sample types.

Wetted Materials

● Body	PVC
● Membrane material	PVC, Ion Exchange Membrane
● Mounting method	Dual 3/4" NPT Threads
● Maximum Pressure	60 psig
● Temperature Range	0 - 50°C
● pH Range	2 - 11
● Signal Conditioning Cable	ALS-BNI1
● Dimensions	Body: 26.75 mm OD, 127 mm length Tip: 12.5 mm OD; 45 mm length

Measurement

● Range at 25 deg C	1 - 10,000 PPM as N
● Resolution	1 PPM



Features

- Dual 3/4" NPT threads allow for pole mount or insertion mount for a variety of applications
- 1000 PPM standard solution included
- Ionic strength adjuster (ISA) solution included
- Tip guard available
- Industry standard polymer membrane technology providing accurate, repeatable NH₄ analysis

Notes

- Ion Selective Electrodes require more maintenance than other sensors:
- Use regular 2 point calibration.
- For best accuracy, use in samples with an ionic strength adjuster in 50:1 sample to ISA ratio.
- Rinse with DI water then soak in low calibration solution to maintain responsiveness.