ALS-NH41
Ammonium Ion-Selective Electrode

Standard ¾” NPT threads on the front and rear of the housing allows both inline and submersible type mounting of the ALS-NH41 Sensor. This ion selective electrode (ISE) uses an ionophore-impregnated membrane specifically sensitive to ammonium (NH4) ions. 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 / Ionophore Matrix
- **Mounting method**: Dual ¾” NPT Threads
- **Maximum Pressure**: 80 psig
- **Temperature Range**: 0 - 45ºC
- **pH Range**: 4 - 10
- **Signal Conditioning Cable**: ALS-BNH41
- **Dimensions**:
  - Body: 26.75 mm OD, 127 mm length
  - Tip: 12.5 mm OD; 45 mm length

Measurement

- **Range at 25 deg C**: 1 - 14,000 PPM NH4 as N
- **Resolution**: 1 PPM

Features

- Dual ¾” 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.
- Request Use and Care document for interferences.

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