

ALS-NH41

Ammonium Ion-Selective Electrode

Standard ¼" 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 ¼" NPT Threads
- Maximum Pressure 80 psig
- Temperature Range 0 - 45°C
- 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 ¼" 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.