



Intellical ISENH318101 Ammonia (NH₃) Ion Selective Electrode (ISE) with Calibration Reagents Pack

Product #:

ISENH3181AP

 **Hazardous**

ZAR Price:

Contact Hach

Ships within 1 week

Items with this mark may be considered hazardous under some shipping conditions.

If necessary, we will change your selected shipping method to accomodate these items.

The Intellical Ammonia ISE Analysis Package contains all you need to start measuring ammonia (NH₃) with your HQD meter instrument: The Intellical ISENH3181 Ammonia ISE with 1 m cable, 3-pack of replacement Intellical ammonia membrane modules, one 50 mL bottle electrode filling solution, 500 mL bottles of 1 mg/L, 10 mg/L and 100 mg/L of Hach ammonia nitrogen standard solutions, pack of 100 Hach ammonia ionic strength adjustor (ISA) Powder Pillows, a 50 mL bottle of electrode storage solution, and ISE Basic User Manual.

Provides fast, stable, and accurate results

Refillable outer body, an easy to maintain modular membrane design, and a large annular reference junction for maximum surface area between sample and reference electrolyte provide great measurement stability. Intellical digital probes lock on the result when the measurement is stable, removing the guesswork in having a moving number.

Ultimate traceability in measurement history

Stored time and date stamp for each measurement, operator and sample ID, calibration history, parameter, and probe serial number

User alerted when re-calibration is needed

No guesswork needed to provide most reliable and accurate results with each measurement.

Can be moved between meters without the need to re-calibrate or re-enter measurement settings

Ideal for a multi-user environment with multiple HQD series Laboratory and Portable meters

Specifications

Accuracy:	±0.02 mV or 0.05%, whichever is greater
Cable Length:	1 m
Electrode Type:	Non-Refillable Gel Reference Element, Replaceable membrane
Filling Solution:	0.1 M NH ₄ Cl (#4447226)
ISA Required:	Ammonia ISA (#4447169)
Junction:	Double Annular Junction
Kit?:	Yes
Length:	175 mm
Method Type:	Laboratory: Non-Refillable Gel Reference Element, Replaceable membrane

Parameter:	Ammonia
Product Kit:	Model: ISECL181
	Accessories Included: Calibration Reagents Pack
Range:	0.01 mg/L (5 x 10 ⁻⁷ M) - 14 g/L (1 M) NH ₃ -N
Reference system:	Ag/AgCl
Resolution:	Selectable up to 4 significant digits
Sample Volume:	15 mL
Sensor material:	Epoxy
Sensor Type :	pH Glass with replaceable NH ₃ sensitive membrane
Special Features:	Easy-to-replace membrane modules.
Temperature Accuracy:	±0.3 °C
Temperature Range:	5 - 50 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: Ammonia
	Minimum Sample Depth (mm): 26
Thermistor :	ATC
Warranty:	6 months
Weight:	0.1 kg
What's included?:	Kit includes Intellical ISENH3181 combination ammonia ISE, 1m cable (no. ISENH318101), 3-pack of replacement Intellical ammonia membrane modules (no. 5812711), a 50 mL bottle of electrode filling solution (no. 4447226), Hach ammonia nitrogen standard solutions, 500 mL bottles of 1 mg/L (no. 189149), 10 mg/L (no. 15349) and 100 mg/L (no. 2406549), Pack of 100 Hach ammonia ionic strength adjustor (ISA) Powder Pillows (no. 4447169), 50 mL bottle of electrode storage solution (no. 2541259), and ISE Basic User Manual.

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Required Accessories

- Ammonia Ionic Strength Adjustor (ISA), Solution, 500 mL (Item 2824349)
- Filling Solution, ISENH3181, 0.1 M NH₄Cl, 50 mL (Item 4447226)