



IntelliCAL™ Ammonia ISE Analysis Package

Product #: ISENH3181AP

 **Hazardous**

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

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

The IntelliCAL™ Ammonia ISE Analysis Package contains the IntelliCAL™ ISENH3181 Ammonia ISE, 500 mL Ammonia electrode storage solution (2541249), 100 pack of Ammonia ISA powder pillows (4447169), 3 pack of ISENH3181 membrane modules (5812711), 500 mL of 1.0 mg/L nitrogen-ammonia standard solution (189149), 500 mL of 10 mg/L nitrogen-ammonia standard solution (15349) and 500 mL of 100 mg/L nitrogen-ammonia standard solution (2406549).

IntelliCAL™ ISENH3181 is a digital, combination gas-sensing ammonia ion selective electrode (ISE) with a replaceable membrane module, refillable outer body, double junction reference and built-in temperature sensor. The IntelliCAL ISENH3181 probe is available with a 1 or 3 meter cable and is intended for laboratory use. The ISENH3181 is ideal for measuring ammonia concentrations in wastewater, drinking water and general water quality applications.

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

Cable Length:	1 m
Diameter:	12 mm
Dimensions (D x L):	12 mm x 220 mm
Filling Solution:	4447226
ISA Required:	4447169
Junction:	Porous PTFE Annular Ring
Length:	220 mm
Material:	Sensor Body: Epoxy
Parameter:	Ammonia
Probe Type:	Standard
Sensor Type:	Gas sensing: glass w/ replaceable NH ₃ sensitive membrane
Special Feature:	Easy-to-replace membrane modules.
Temperature Range:	Continuous use: 0 to 50 °C

What's in the box?

Kit includes: IntelliCAL ISENH3181 combination ammonia ISE (no. ISENH318101), 3-pack of replacement IntelliCAL ammonia membrane modules (no. 5812711), electrode filling solution (50 mL, no. 4447226), three Hach ammonia nitrogen standard solutions (1 mg/L (500 mL, no. 189149), 10 mg/L (500 mL, no. 15349) and 100 mg/L (500 mL, no. 2406549)), Hach ammonia ionic strength adjustor (ISA) Powder Pillows (pack of 100, no. 4447169), electrode storage solution (50 mL, no. 2541259), and ISE Basic User Manual.

Required Accessories

- IntelliCAL ISENH3181 Ammonia Ion Selective Electrode (ISE) Replacement Membranes, pack of 3 (Item 5812711)