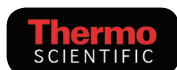


AMMONIA PROBES & SUPPLIES



High performance ammonia probe from Thermo Scientific gives faster, more stable responses. Also, the new translucent outer body lets you see the level of the filling solution and inspect for trapped air bubbles at any time. Low or no filling solution causes erratic readings. Overfilling can result in standard/sample contamination, which results in low slopes and incorrect readings. The new body with fill line eliminates all of this!

HIGH PERFORMANCE AMMONIA ELECTRODE



- ◆ Stable, rapid response
- ◆ Lower detection limits—accurate, repeatable readings down to 0.01 ppm
- ◆ Easy maintenance—translucent body with fill line tells you instantly if solution level is low AND prevents overfilling, which often causes erroneous calibrations and results
- ◆ Choice of using preassembled outer body with membrane cap or loose membranes
- ◆ Probe package includes: Thermo Scientific 9512HPBNWP Ammonia probe with 3 ft cable, one pack of O-951214 containing 20 loose membranes, one O-951215 outer body with membrane cap, two 60 ml bottles of O-951209 filling solution, spout cap, and tweezers

Available only with (waterproof) BNC connector.

O-9512HP 675.00/ea

Note: This probe has an extremely rapid response, as compared to the older version. When calibrating or measuring with this probe, lock in the cal point, or log the reading at the first "ready" or stable indicator. DO NOT wait 4 minutes, as we recommended with the older probe.

ORION® CLASSIC AMMONIA ELECTRODE

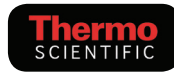
Ammonia Gas-Sensing Combination Electrode. No separate reference probe required. Includes probe, two packs of loose membranes, and one 60 ml bottle of filling solution.

O-9512BN 645.00/ea



AMMONIA PROBES & SUPPLIES

First, there were too few choices. Now there are many. The following chart should help clarify the pricing, including expendables.



Manufacturer	Orion 9512BN	Orion 9512HPBN	Hanna
NCL #	O-9512BN	O-9512HP	HI-4101
NCL price	645.00	675.00	585.00
Filling solution	O-951202	O-951209	HI-4001-40
(price)	70.70 (2 oz. btl)	70.70 (2 oz. btl)	108.00 (4 X 30 ml btls.)
Loose membranes	O-951204	O-951214	HI-4001-51
(price)	127.30 (pk of 20)	129.20 (pk of 20)	105.00 (pk of 20)
Membrane caps	O-951205	O-951215	NA
(price)	156.75 (pk of 3)	71.30 (pk of 3)	NA
Storage solution	O-951007	O-951213	NA
(price)	74.75 (500 ml)	66.00 (500 ml)	NA
Other notes	1	2	

Notes:

1. Probe is referred to as "Classic". This is the Orion® Ammonia probe which has been available for the past 20+ years.
2. Probe is referred to as "High Performance". This is the NEW Orion® Ammonia probe which has been available for the past 7 years.

AMMONIA PROBE SUPPLIES

ISA Buffer for use with Ammonia Probes			
For use with	NCL #	Manufactured by:	Price
O-9512BN	O-951211	Thermo Scientific Orion	94.30/475 ml HM
O-9512HP	O-951210	Thermo Scientific Orion	100.70/475 ml HM
O-9512BN	A-15Y	NCL	34.65/500 ml HM
O-9512HP	A-15HP*	NCL	34.65/500 ml HM

* We now have a combined product, A-15HP, that takes the place of A-15Z and A-41.



Ammonia Standards			
Concentration	NCL #	Manufactured by	Price
1000 ppm as N	O-951007	Thermo Scientific Orion	74.75/475 ml
1000 ppm as N	A-37	NCL	20.00/500 ml
100 ppm as N	O-951207	Thermo Scientific Orion	65.10/475 ml
100 ppm as N	A-37A	NCL	18.55/500 ml
10 ppm as N	A-37B	NCL	16.10/500 ml
5 ppm as N	A-37F	NCL	16.10/500 ml
2 ppm as N	A-37G	NCL	16.10/500 ml
1 ppm as N	A-37C	NCL	16.10/500 ml

Please see the chemical section in this catalog for Ammonia standards in other concentrations and sizes.