

The NEW high performance ammonia electrode offers accurate readings, fast response, low limits of detection, easy maintenance and durability.

## Thermo Scientific Orion 9512HPBNWP

High Performance Ammonia  
Ion Selective Electrode



### High Performance Ammonia Gas Sensing Electrode

The NEW Orion 9512HPBNWP high performance ammonia electrode offers improved features such as lower detection limits for your ammonia measurements. The Orion 9512HPBNWP is designed to meet the demanding needs of drinking water and wastewater applications. Save time on your analysis and maintenance with unmatched accuracy, performance and durability.

The high performance ammonia electrode can be used with pre-assembled outer body and membrane caps, Cat. No. 951215. These provide the highest quality results with the convenience of not having to assemble a membrane on the electrode.

The ammonia electrode has a waterproof BNC connector that can be used with any meter that has a BNC input and ensures a waterproof and secure connection when used with the Orion Star Series meters.

#### Benefits:

- Accurate results down to 0.01 ppm.
- Linear electrode response down to low detection limits.
- Response time of 1 minute in sample concentrations of 1 ppm and higher.
- Easy electrode maintenance with a translucent electrode body with fill line and keying feature to prevent membrane damage.
- Increased durability with chemical resistant body.
- Choice of pre-assembled outer body with membrane cap or loose membranes.
- New wastewater applications developed using known addition and direct measurement techniques.

### Specifications

<b>Concentration Range</b>	5 x 10 <sup>-7</sup> M to 1 M 0.01 to 17,000 ppm as NH <sub>3</sub> or 0.01 to 14,000 ppm as N
<b>Temperature Range</b>	0 to 50 °C
<b>Reproducibility</b>	± 2%
<b>Electrode Length</b>	120 mm
<b>Electrode Diameter</b>	12 mm
<b>Cable Length</b>	1 meter

### Ordering Information

<b>9512HPBNWP</b>	High performance ammonia electrode with waterproof BNC connector and 1 meter cable. Electrode includes 20 loose membranes (951214), 1 pre-assembled outer body and membrane cap (951215), 60 mL bottle of electrode filling solution (951209), spout cap and tweezers.
<b>951209</b>	High performance ammonia electrode filling solution, 60 mL
<b>951011</b>	Low level ISA for ammonia electrode, 475 mL
<b>951211</b>	ISA for ammonia electrode, 475 mL
<b>951214</b>	Loose membranes for high performance ammonia electrode, box of 20
<b>951215</b>	Pre-assembled outer body and membrane cap for high performance ammonia electrode, pack of 3

For more information or to contact your local Thermo Scientific water quality specialists, call 1-800-225-1480 or visit our website at [www.thermo.com/water](http://www.thermo.com/water).

