

# Ammonia Combination ISE



The EDT direction Ammonia Combination ISE is a traditional pH glass sensor with a refillable membrane cap.

This electrode does not have the solid state advantage of the Ammonium ISE 3051 but is able to detect dissolved Ammonia down to around 50ppb. For successful operation NaOH ISAB should be added to the samples and standards to ensure all the Ammonium is converted to  $\text{NH}_3$ .

For process applications addition of ISAB is not usually possible in which case the pH should be above 8.5.

In principle the Ammonia penetrates the membrane and causes a change in the pH of the internal solution locally at the interface. This pH change is directly proportional to  $\text{NH}_3$  concentration. The Ammonia 3302W Electrode has a BNC connector compatible with all EDT Ion/pH Meters.

This Ammonia ISE is compatible with all makes and models of meters and controllers measuring millivolts or direct concentration.

EDT are a UK based manufacturer and produce ISEs for many prominent companies in the water testing sector. As a result our ISEs are very competitively priced and come complete with technical support provided from our vast library of applications and our in house electro-chemistry technicians.

For optimum results use EDT direction standards.

## Specifications

<b>Body Type</b>	Polymer Body with Replaceable Membrane Cap
<b>Filling Solution</b>	0.1M Ammonium Chloride (Supplied)
<b>Membrane Material</b>	Teflon
<b>Concentration Range</b>	0.02-17,000ppm
<b>Connector</b>	BNC
<b>Diameter</b>	12mm
<b>Endpoint Time</b>	Typically 10-60 Seconds
<b>Interferences</b>	Hydrazine
<b>Length</b>	155mm
<b>pH Range</b>	11-13pH
<b>Potential Drift</b>	2mV Per Day
<b>Reference Type</b>	Single Junction Ag/AgCl
<b>Resistance at 25°C</b>	<5 Mohm
<b>Temperature Range</b>	5-50°C

## Related Products



Ammonia Filling Solution (30ml)



Ammonia Standard Solution (500ml)



QP459 Portable Ion Meter

[www.edt.co.uk/3302](http://www.edt.co.uk/3302)

