

Ammonia Combination ISE For Process Control



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 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 NH_3 concentration. The Ammonia 8302/S8 Electrode has an S8 connector compatible with all Controllers & 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

Body Type	Polymer Body with Replaceable Membrane Cap
Filling Solution	0.1M Ammonium Chloride (Supplied)
Membrane Material	Teflon
Concentration Range	0.02-17,000ppm
Connector	S8
Diameter	12mm
Endpoint Time	Typically 10-60 Seconds
Interferences	Hydrazine
Length	155mm
pH Range	11-13pH
Potential Drift	2mV Per Day
Reference Type	Single Junction Ag/AgCl
Resistance at 25°C	<5 Mohm
Temperature Range	5-50°C

Related Products



Ammonia Filling
Solution (30ml)



Ammonia Standard
Solution (500ml)



QP459 Portable Ion
Meter

www.edt.co.uk/8302-S8

