Smart Storm
Environmental Measurement & Control

Ammonium Combination ISE

Description:

Smart Storm direction electrodes are rugged solid state sensors with built in driTEK Teflon double junction references that do not require filling solutions, membrane replacements or operator maintenance.

These combination ISEs can be stored dry and are submersible and waterproof. The solid state sensor and maintenance free reference makes these electrodes ideal for both laboratory and field work. The Epoxy tubular body provides complete protection to the electrode which allows these sensors to be used in field applications by unskilled operators.

The Ammonium sensor is PVC based with a solid state mount and does not degenerate during storage unlike conventional Ammonium electrodes. The lack of internal solution means that submersion is also possible as the sensor does not flex under reasonable pressure.

Each Smart Storm directION Combination ISE has a 1 metre cable and a BNC connector (other connectors available on request) allowing use on all types of pH/ION meter including laboratory bench and research models. For direct concentration reading and absolute simplicity the Smart Storm DR359TX pH/ION meter is the perfect instrument for these ISEs.

The solid state sensors have a huge advantage over conventional ISEs in that there is no internal fill solution to degenerate the sensor this means that Smart Storm direction combination ISEs have an unrivalled lifetime and a very low cost of ownership.

Smart Storm is 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 electrochemistry technicians.

For optimum results use Smart Storm direction standards and Ionic Strength Adjustment Buffers (ISABs).

Specification:

Accessories	
Cable length	1000mm
Cap Diameter	16mm
Commodity Code	90279050
Concentration Range	0.9-9000 ppm
Connector	BNC
Diameter	12mm
Endpoint time	Typically 10-60 seconds
Interferences	Calcium, Potassium, Sodium
length	155mm
pH range	0-8.5
Potential Drift	2mV per Day
Reference Type	Double Junction
Resistance at 25 Deg C	< 2.5 MOhm
Temperature range	5-50 Degrees C