

Datasheet

Ag/AgCl Single Junction Reference Electrode Jenway Part Number 924 036



This electrode is designed for use with any mono electrode and is normally used in the laboratory.

A Silver-Silver Chloride Single Junction reference electrode is most commonly used, but it has a potassium chloride salt-bridge, which is saturated with silver chloride. This salt-bridge works well in most samples, but not biological samples containing proteins or related materials. Even though the concentration of silver ions is low (about 0.0001M), it is sufficient to react with proteins and produce an insoluble precipitate in the porous “liquid junction” structure of the electrode. This then causes errors in the pH measurement due to the development of substantial “liquid junction” potentials across this plug of precipitate.

Specifications:

Parameter	Specification
Type	Reference
Sealed/Refillable	Refillable
End Type	Bulb
Temperature Range	0-50°C
Reference Type	AgCl
Junction Type	Ceramic Frit
Body Material	Glass
Dimensions	120x12mm
Cable Length	1 metre (nominal)
Termination	2mm plug

This Method is meant for your guidance only.