

Refine™ ±

Reference Electrodes



PORTABLE Ag/AgCl REFERENCE ELECTRODES AG1 AND AG2

The Refine™ AG1 Portable Reference Electrode is a perfect companion for offshore, jetty and harbour inspection work where you need a reliable, cost effective reference cell in your tool kit. Provided with UV protection sheath whilst cell is not in use.

The Refine™ AG2 Portable/Permanent Reference Electrode is a long life reference cell designed for offshore, jetty and harbour inspection work. Permanent version can be provided with various fittings to suit specific mounting hardware. Our sintered element design ensures long life, stability and accuracy.

“Designed with
potential in mind”

Refine⁺

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PORTABLE Ag/AgCl REFERENCE ELECTRODE AG1

Materials Specification :	
Electrode Element	99.9% pure silver
Electrode Media	Specially formulated Ag/AgCl matrix
Body	End cap: acetal homopolymer Tubular element container: thermoplastic polycarbonate resin
Performance Details :	
Shelf Life	Indefinite, under correct storage conditions
Stability	± 5 mV at 5 microamps
Temperature Range	0 – 75 °C (32 – 167 °F)
Dimensional Data :	
Electrode Body Diameter	36 mm (1.4")
Electrode Body Length	180 mm (7")
Nominal Weight	300 grammes (10.5 oz) without cable tail
Cable Tails :	
Standard Specification	1 x 2.5 mm ² (14 AWG) EPR/CSP, stranded Cu conductor
You Specify	Cable tail fitted to your requirements

PORTABLE / PERMANENT Ag/AgCl REFERENCE ELECTRODE AG2

Materials Specification :	
Electrode Element	99.9 % pure silver
Electrode Media	Specially formulated Ag/AgCl matrix
Body	Acetal homopolymer
Performance Details :	
Operating Life	25 years minimum, with correct handling prior to installation
Shelf Life	Indefinite, under correct storage conditions
Stability	± 5 mV at 5 microamps
Temperature Range	0 – 75 °C (32 – 167 °F)
Dimensional Data :	
Electrode Body Diameter	27 mm (1.1")
Electrode Body Length	200 mm (7.9")
Nominal Weight	165 grammes (5.9 oz) without cable tail
Cable Tails :	
Standard Specification	1 x 4 mm ² (12 AWG) XLPE/PVC, stranded Cu conductor 15 m long
You Specify	Cable tail fitted to your requirements

Additional Information :

Both AG1 & AG2 electrodes should be immersed in seawater for a minimum period of 2 hours prior to recording any measurements.

AG1 standard cable tail length c/w submersible connector is 10 metres, this length can be amended to suit your specific requirements.