

# AG2 Ag/AgCl Portable/Permanent Reference Electrode

## APPLICATION

The Refine™ AG2 Ag/AgCl portable or permanent reference electrode is designed for long-life off-shore jetty and harbour inspection work. The permanent version can be supplied with various fittings to suit specific mounting hardware to enable jetty or subsea installation.



## AG2 Permanent Ag/AgCl Reference Electrode

### MATERIAL SPECIFICATION

Electrode Element	99.9% pure silver wire with a sintered sensing element
Electrode media	Specially formulated AgCl matrix
Body	Acetal homopolymer tube and end cap

### PERFORMANCE DETAILS

Operating life	Minimum 25 years if handled correctly prior to installation
Shelf Life	Indefinite when following manufacturer's recommendations
Stability	+ or – 5mV at 5µA
Temperature range	0 - 75°C (32 - 167°F)

### DIMENSIONAL DATA

Electrode body diameter	27mm (1.1")
Electrode body length	200mm (7.9")
Nominal weight	165 grams (5.9oz) excluding cable tail

### CABLE TAILS

Standard specification	1 x 4mm <sup>2</sup> (12 AWG) XLPE/PVC stranded copper conductor 15mtrs long with blue insulation
You specify	Cable tail fitted to your requirements
You fit	Separate work instruction provided with encapsulation kit

### QA/QC DETAILS

Traceability	Fully traceable calibration certificate provided.
Tested Vs SCE	100 – 120mV vs saturated calomel electrode tested in distilled water with 3.3% NaCl by weight