

AG5 Permanent Ag/AgCl Reference Electrode through Wall

APPLICATION

The AG5 reference electrode is designed for through hull or tank applications to allow installation of a permanent reference electrode in a vessel or tank. It can also be used for intake pipes, pumps and condensers.

The vessel or tank should have a threaded boss welded into the electrode's mounting position. If required, the reference electrode can be supplied to suit an existing boss diameter and thread pitch.



AG5 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
Head	Acetal homopolymer tube & end cap
Mount	Acetal homopolymer or mild steel

PERFORMANCE DETAILS

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

DIMENSIONAL DATA

Active head length	227mm (1.06") 45mm (1.74")
Electrode body length	780 grams (27.5oz) excluding cable tail

CABLE TAILS

Standard specification	1 x 4mm ² (12 AWG) XLPE/PVC stranded copper conductor 15m long with blue insulation
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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