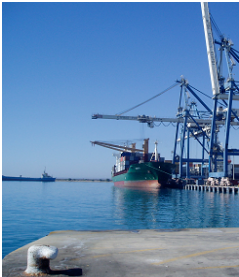




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TYPE SW100 PORTABLE SEAWATER REFERENCE ELECTRODE



Silver/Silver Chloride elements in all SILVION electrodes are manufactured using an advanced technique which results in a porous silver matrix being formed around a silver wire skeleton. The matrix is then coated with precise quantities of Silver/Chloride to ensure:

- 1). HIGH STABILITY
- 2). GREATER ACCURACY
- 3). INCREASED LIFE PERFORMANCE.

The Electrode casing is weighted to give more control when lowering into the seawater and to ensure minimum disturbance from tidal movement

NOTE:

The Silver element in this Reference Electrode is directly exposed to the Seawater; hence these reference electrodes are not suitable for use in any other medium.



OUTER CASING

MATERIAL ACETAL
 LENGTH 250mm
 DIAMETER 32mm

SILVER CHLORIDE ELEMENT

LENGTH 50mm
 SECTION 5mm x 5mm
 GEOMETRIC SURFACE AREA 10cm²
 REAL SURFACE AREA 500cm²
 MATERIALS ALL SILVER COMPOUNDS ARE 99.9% PURE

PERFORMANCE DATA

SHORT CIRCUIT CURRENT (, 1 MIN) 20 mA
 STABILITY (POTENTIAL DRIFT AT CONSTANT TEMP AND ENVIRONMENT) +/- 1mV (24 Hrs) @ 5 micro Amps
 ACCURACY (Vs SCE IN 3% NaCl @ 20°C)..... -5mV +/- 5mV
 TEMPERATURE COEFFICIENT..... -0.65mV/Deg C
 LIFE FOR USE IN SEAWATER..... 15 YEARS
 TEMP RANGE..... -5 to 80°C
 SHELF LIFE Infinite if stored correctly

QA/QC

All our electrodes are fully tested, calibrated and supplied complete with a calibration certificate. They are individually identified with a unique number to ensure full traceability.
 All dimensions +/-1mm unless otherwise stated

The information provided in this document was accurate at the time it was published, however, we reserve the right to revise this document without prior warning

SILVION REFERENCE ELECTRODES

25 Years Service to the Corrosion Prevention Industry

Registered in England No: 6860239

VAT No 975 9426 61