



BALDOCK
 The Barn, 35 Whitehorse St
 Baldock, Herts
 SG7 6QF
 Tel: 07714 245566
 Email: lbritton@silvion.co.uk
 Web: www.silvion.co.uk

GRANTHAM
 The Brambles, Grantham Rd
 Old Somerby, Grantham
 Lincs, NG33 4AB
 Tel: 07872 857310
 Email: rbritton@silvion.co.uk
 Web: www.silvion.co.uk

TYPE WE35-VE Ag/AgCl 3.5M KCl VERIFICATION REFERENCE ELECTRODE



The silver/silver chloride (Ag/AgCl) elements in all Silvion electrodes are manufactured using a "unique" and advanced technique that results in a porous silver matrix. The matrix is then coated with precise quantities of silver chloride to ensure:

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

NOTE:

The WE35-VE verification electrode has been designed for use on-site or in-house when a Saturated Calomel Electrode (SCE) is not permitted or is unavailable. It is suitable for testing Ag/AgCl or other electrode types to verify their potential and calibration, and comes fitted with 1.5m long cable tail and 4mm banana plug.

SILVION REFERENCE ELECTRODES

>40 Years' Service to the Corrosion Prevention Industry

Registered Office: Windsor House, A1 Business Park at Long Bennington, Nottinghamshire NG23 5JR

Registered in England No: 6860239 VAT No: 975 9426 61 EORI No: GB975942661000



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OUTER CASING

MATERIALS.....	Acetal body with porous ceramic sintered disc and nylon cable gland
DIMENSIONS.....	Length: 150mm (172mm w/ gland); Diameter: Upper: 20mm; Lower: 15mm
CERAMIC DISC DIAMETER.....	10mm
WEIGHT (W/ 1.5M CABLE AND BANANA PLUG).....	70g

SILVER CHLORIDE ELEMENT

MATERIALS.....	Silver compounds are 99.90% pure
DIMENSIONS.....	Length: 15mm (+/- 2mm); Section: 6mm
SURFACE AREA.....	Geometric: 3cm ² ; Real: 100cm ²

ELECTROLYTE	Inert electrolyte with 3.5 Molar KCl
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PERFORMANCE DATA

Vs STANDARD HYDROGEN ELECTRODE @25°C.....	+205mV
IUPAC* GUIDELINES IN 3.5M KCL SOLUTION Vs SCE @ 25°C	+36mV
HISTORIC DNV GUIDELINES IN 3.5M KCL SOLUTION Vs SCE @20°C.	+36mV
ACCURACY.....	+/-5mV
STABILITY (POTENTIAL DRIFT AT CONSTANT TEMP AND ENVIRONMENT)....	+/- 1mV (24 Hrs) @ 5µA load
TEMP COEFFICIENT.....	-0.65mV/°C
TEMP RANGE.....	0 to 50°C

QA/QC

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

WARRANTY

Our reference electrodes are fully warranted against defects in materials and workmanship for six months from the date of receipt. We will replace/ refund any defect units within this period, but we require the unit(s) for examination to determine any fault.

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.

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