

Borin® Stelth® 3

Reference Electrodes

Permanent PORTABLE Reference Electrode for use as a half cell.



Features:

- A Completely solid-state reference electrode that never requires recharging, cleaning or servicing of any kind.
- High impact-resistant Lexan electrode case will not deteriorate even in highly corrosive environments.
- Requires no maintenance of any kind.
- Minimum 10-Year service life.
- Indefinite shelf life, indefinite stability.
- Each Borin Stelth® 3 Solid-State reference electrode is individually tested, certified and has a unique serial number, allowing for traceability of any single cell throughout its lifetime.
- Available in three chemistries and colour coded for quick and easy identification: Cu-CuSO₄ (yellow), Ag-AgCl (blue), and Zn-ZnSO₄ (red).
- Technologically advanced “ion-trap” prevents contamination of internal electrolytes.
- Two levels of chloride ion trapping technologies are used in the Stelth® 3 reference electrodes.
 - First, we impregnate a trapping material into the ceramic sensing tube that traps chloride ions before they reach the chemistry of the Stelth® 3.
 - Second, we employ a chloride ion trapping system that removes chloride ions that penetrate the chemistry of the Stelth® 3 before these ions can cause damage.
- Complete installation instructions included.
- **Note:** The Stelth® 3 Cu-CuSO₄ and Zn-ZnSO₄ reference electrodes are stable up to levels of up to 1,000 parts per million chloride plus bromide. The BORIN Stelth® 3 silver-silver chloride reference cells are optimized for a chloride level of 19,000 parts per million (seawater) but can be used in environments with lesser or greater chloride levels, but with reduced life.



Stelth® Model SRE-010-CPY

Copper Copper Sulphate
(CuCuSO₄)
For Fresh Water Service

Stock Code 816-81528



Stelth® Model SRE-011-SPB

Silver-Silver Chloride
(Ag-AgCl)
For High Chloride Water Service

Stock Code: 813-81529



Stelth® Model SRE-012-ZPR

Zinc-Zinc Sulphate
(Zn-ZnSO₄)
For Fresh Water Service

Special Order

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential users are urged to trial and /or conduct conformity tests of the product to determine its suitability in application for a particular end use prior to purchase.

Vic/Tas/SA 03 9764 2651 melbourne@savcor.com.au	NSW 02 9807 4542 sydney@savcor.com.au	QLD/NT 07 5549 2248 brisbane@savcor.com.au	WA 08 6240 3900 perth@savcor.com.au
---	---	--	---

Borin® Stelth® 3

Reference Electrodes

Borin is the largest manufacturer of reference electrodes in the world.

Borin Manufacturing has continued to lead the industry in remote monitoring and control equipment with Comanche and Comanche Elite installations from Australia to Scandinavia.

Model	Stock Code	Model Number	Style and Conditions for Use	Chemistry
"Stelth 1"	813-81524	SRE-002-CFY	Stationary - Fresh or Potable Water Service	Cu-CuSO4
"Stelth 1"	813-81553	SRE-004-SFB	Stationary - Salt or Brackish Water Service	Ag-AgCl
"Stelth 1"		SRE-006-ZFR	Stationary - Fresh or Potable Water Service	Zn-ZnSO4
"Stelth 2"	813-81525	SRE-007-CUY	Stationary - Direct Burial Chloride Free Conditions	Cu-CuSO4
"Stelth 2"	813-81551	SRE-008-SUB	Stationary - Underground Chloride Contamination Present	Ag-AgCl
"Stelth 2"	813-81511	SRE-009-ZUR	Stationary - Direct Burial Chloride Free Conditions	Zn-ZnSO4
"Stelth 3"	813-81528	SRE-010-CPY	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Cu-CuSO4
"Stelth 3"	813-81529	SRE-011-SPB	Permanent Portable: Ground Surface, sea & Brackish Water Conditions	Ag-AgCl
"Stelth 3"		SRE-012-ZPR	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Zn-ZnSO4
"Stelth 4"	813-81523	SRE-013-CPY	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Cu-CuSO4
"Stelth 4"	813-81522	SRE-014-SPB	Permanent Portable: Ground Surface, Sea & Brackish Water Conditions	Ag-AgCl
"Stelth 4"		SRE-015-ZPR	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Zn-ZnSO4
"Stelth 6"	813-81527	SRE-019-CCY	Stationary Concrete: Direct Burial in Concrete Chloride Free conditions	Cu-CuSO4
"Stelth 6"	813-81552	SRE-020-SCB	Stationary Concrete: Direct Burial in Concrete Chloride Contaminated	Ag-AgCl
"Stelth 6"		SRE-021-ZCR	Stationary Concrete: Direct Burial in Concrete Chloride Free conditions	Zn-ZnSO4
"Stelth 7"	813-81521	SRE-022-CIY	Stationary IR Free 1 cm2 with "Bullet Box" IR Free Interrupter Direct Burial Chloride Free Conditions	Cu-CuSO4
"Stelth 7"		SRE-023-CIY	Stationary IR Free 10 cm2 with "Bullet Box" IR Free Interrupter Direct Burial Chloride Free Conditions	Ag-AgCl
"Stelth 7"		SRE-024-CIY	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Direct Burial Chloride Free Conditions	Zn-ZnSO4
"Stelth 7"		SRE-031-CSY	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Free Conditions	Cu-CuSO4
Rocket				
"Stelth 7"		SRE-032-SSB	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Contamination Present	Ag-AgCl
Rocket				
"Stelth 7"		SRE-033-ZSR	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Free Conditions	Zn-ZnSO4
Rocket				
"Stelth 8"		SRE-034-CTY	Thru-Hull - Fluid Service Chloride Free Conditions	Cu-CuSO4
"Stelth 8"	813-81554	SRE-035-STB	Thru-Hull - Fluid Service Chloride Contamination Present	Ag-AgCl
"Stelth 8"		SRE-036-ZTR	Thru-Hull - Fluid Service Chloride Free Conditions	Zn-ZnSO4
"Stelth 9"		SRE-037-CSY	Deep Water - Fresh or Potable Water Environment	Cu-CuSO4
"Stelth 9"		SRE-038-SSB	Deep Water - Sea or Brackish Water Environment	Ag-AgCl
"Stelth 9"		SRE-039-ZSR	Deep Water - Fresh or Potable Water Environment	Zn-ZnSO4

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential users are urged to trial and /or conduct conformity tests of the product to determine its suitability in application for a particular end use prior to purchase.

Vic/Tas/SA 03 9764 2651 melbourne@savcor.com.au	NSW 02 9807 4542 sydney@savcor.com.au	QLD/NT 07 5549 2248 brisbane@savcor.com.au	WA 08 6240 3900 perth@savcor.com.au
---	---	--	---