

# Stelth 7 Borin

Rocket IR Free  
Stationary Reference Electrode



The Stelth 7™ IR Free & Stelth 7™ IR Free Rocket reference electrode were developed to take IR Free on-potential and off-potential readings of a structure without having to shut down or turn off any interference systems such as your own system rectifier, other rectifiers in the area, electric rains and subways, electrical transmission lines, etcetera, while reading only the single lowest potential that exists on that structure.

The Stelth 7™ IR Free & Stelth 7™ IR Free Rocket reference electrodes have a minimum design life of 20 years and an indefinite shelf life. shipping weight is only three pounds. The Stelth 7™ IR Free & Stelth 7™ IR Free Rocket reference electrodes will maintain a stability of 10 millivolts with no more than a 3 micro-ampere load over 20 years. - Temperature range from 0 to 58 C (32 to 135 F). The Stelth 7™ IR Free & Stelth 7™ IR Free Rocket reference electrodes will operate in all ranges of soil and water conditions from desert dry soils to flood zones, swamps, sea and fresh water environments. Can be reused, taken in and out of service, as many times as desired.

\*Eliminates expensive interrupters. \* Eliminates the tedious procedure of synchronizing a series of interrupters. \*Allows you to take off-potential reading on rectifiers that have high amperage outputs which are beyond the capacity of the interrupters on on the market today to handle.

\*This technology easily allows any remote monitoring and control system (process control system) to automate the IR Free on-potential and off-potential readings of a structure.

\*On-potential and off-potential measurements can now be taken with total disregard for any and all outside influences - Your own rectifier - neighbouring rectifiers - anode beds - electric transmission lines - trains & subways- steel in concrete - etcetera.

*Stelth 7 Rocket Model SRE-031-CSY  
Copper-Copper Sulfate (Cu-CuSO4)  
for Underground and Concrete  
Service.*



*Size:  
1.75 (4.5 cm) diameter x 11" (28 cm)  
long  
"Space Age" Ceramic Tube, with two  
steel  
coupons totaling 0.10 sq./ft. of  
"Surface "Area"  
Lead Wire:  
20 ft. (15.24m) of #16 RHH-RHW  
cable wire.  
Stability:  
+/- 10 millivolts with 3.0 microamps  
load.  
Temperature Range:  
+32 to +135 F (0 to +57.2 C*

*Stelth 7 Model SRE-032-SSB  
Silver-Silver Chloride (Ag-AgCl) for  
Underground and Concrete Service.*



*Size:  
1.75 (4.5 cm) diameter x 11" (28 cm)  
long  
"Space Age" Ceramic Tube, with two  
steel  
coupons totaling 0.10 sq./ft. of  
"Surface "Area"  
Lead Wire:  
20 ft. (15.24m) of #16 RHH-RHW  
cable wire.  
Stability:  
+/- 10 millivolts with 3.0 microamps  
load.  
Temperature Range:  
+32 to +135 F (0 to +57.2 C*

*Stelth 7 Model SRE-033-ZSR  
Zinc-Zinc Sulfate (Zn-ZnSO4) for  
Underground and Concrete Service.*



*Size:  
1.75 (4.5 cm) diameter x 11" (28 cm)  
long  
"Space Age" Ceramic Tube, with two  
steel  
coupons totaling 0.10 sq./ft. of  
"Surface "Area"  
Lead Wire:  
20 ft. (15.24m) of #16 RHH-RHW  
cable wire.  
Stability:  
+/- 10 millivolts with 3.0 microamps  
load.  
Temperature Range:  
+32 to +135 F (0 to +57.2 C*

Vic/Tas/SA 03 9993 7500	NSW 02 9663 2322	NZ 09 414 5080	QLD/NT 07 3890 8533	WA 08 9248 8999
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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 uses are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

## 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	Model Number	Style and Conditions for Use	Chemistry
"Stelth"	<a href="#">SRE-002-CFY</a>	Stationary - Fresh or Potable Water Service	Cu-CuSO4
"Stelth"	<a href="#">SRE-004-SFB</a>	Stationary - Salt or Brackish Water Service	Ag-AgCl
"Stelth"	<a href="#">SRE-006-ZFR</a>	Stationary - Fresh or Potable Water Service	Zn-ZnSO4
"Stelth 2"	<a href="#">SRE-007-CUY</a>	Stationary - Direct Burial Chloride Free Conditions	Cu-CuSO4
"Stelth 2"	<a href="#">SRE-008-SUB</a>	Stationary - Underground Chloride Contamination Present	Ag-AgCl
"Stelth 2"	<a href="#">SRE-009-ZUR</a>	Stationary - Direct Burial Chloride Free Conditions	Zn-ZnSO4
"Stelth 3"	<a href="#">SRE-010-CPY</a>	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Cu-CuSO4
"Stelth 3"	<a href="#">SRE-011-SPB</a>	Permanent Portable: Ground Surface, sea & Brackish Water Conditions	Ag-AgCl
"Stelth 3"	<a href="#">SRE-012-ZPR</a>	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Zn-ZnSO4
"Stelth 4"	<a href="#">SRE-013-CPY</a>	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Cu-CuSO4
"Stelth 4"	<a href="#">SRE-014-SPB</a>	Permanent Portable: Ground Surface, Sea & Brackish Water Conditions	Ag-AgCl
"Stelth 4"	<a href="#">SRE-015-ZPR</a>	Permanent Portable: Ground Surface & Water Chloride Free Conditions	Zn-ZnSO4
"Stelth 6"	SRE-019-CCY	Stationary Concrete: Direct Burial in Concrete Chloride Free conditions	Cu-CuSO4
"Stelth 6"	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"	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" Rocket	<a href="#">SRE-031-CSY</a>	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Free Conditions	Cu-CuSO4
"Stelth 7" Rocket	<a href="#">SRE-032-SSB</a>	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Contamination Present	Ag-AgCl
"Stelth 7" Rocket	<a href="#">SRE-033-ZSR</a>	Stationary IR Free 100 cm2 with "Bullet Box" IR Free Interrupter Tank Insertion - Chloride Free Conditions	Zn-ZnSO4
"Stelth 8"	<a href="#">SRE-034-CTY</a>	Thru-Hull - Fluid Service Chloride Free Conditions	Cu-CuSO4
"Stelth 8"	<a href="#">SRE-035-STB</a>	Thru-Hull - Fluid Service Chloride Contamination Present	Ag-AgCl
"Stelth 8"	<a href="#">SRE-036-ZTR</a>	Thru-Hull - Fluid Service Chloride Free Conditions	Zn-ZnSO4
"Stelth 9"	<a href="#">SRE-037-CSY</a>	Deep Water - Fresh or Potable Water Environment	Cu-CuSO4
"Stelth 9"	<a href="#">SRE-038-SSB</a>	Deep Water - Sea or Brackish Water Environment	Ag-AgCl
"Stelth 9"	<a href="#">SRE-039-ZSR</a>	Deep Water - Fresh or Potable Water Environment	Zn-ZnSO4

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