BORIN STELTH® Solid-State Reference Electrodes

Stelth® Model Name	Model: Chemistry	Use	Minimum Service Life	Size	Standard Lead Wire
Stelth® 1 	SRE-002: Cu-$CuSO_4$ SRE-004: Ag-AgCl SRE-006: Zn-$ZnSO_4$ SRE-040: Pd-$PdCl_2$	**Water Service** Saturated Soil or Submerged Applications	30 years	1.215" (31 mm) width x 8.25" (203 mm) length.	20' (6.1 m) of #14 (2.5mm²) RHH-RHW wire standard (any length of wire available).
Stelth® 2 	SRE-007: Cu-$CuSO_4$ SRE-008: Ag-AgCl SRE-009: Zn-$ZnSO_4$ SRE-041: Pd-$PdCl_2$	**Buried Service** Underground Applications Dry Soil Conditions	30 years	1.5" (38.1 mm) width x 7" (178 mm) length.	20' (6.1 m) of #14 (2.5 mm²) RHH-RHW wire standard (any length of wire available).
Stelth® 3 	SRE-010: Cu-$CuSO_4$ SRE-011: Ag-AgCl SRE-012: Zn-$ZnSO_4$ SRE-042: Pd-$PdCl_2$	**Portable** Stand-alone Applications Surface or Underground Use No Refill or Maintanance Required	10 years	1.215" (31 mm) width x 8.25" (209.5 mm) length.	n/a
Stelth® 4 	SRE-013: Cu-$CuSO_4$ SRE-014: Ag-AgCl SRE-015: Zn-$ZnSO_4$ SRE-043: Pd-$PdCl_2$	**Portable – Fat Cat** Stand-alone Applications Surface or Underground Use No Refill or Maintanance Required	10 years	2.25" (57 mm) width x 4.5" (114 mm) length.	n/a
Stelth® 5 	SRE-016: Cu-$CuSO_4$ SRE-017: Ag-AgCl SRE-018: Zn-$ZnSO_4$ SRE-044: Pd-$PdCl_2$	**Marine Thru-Hull** For Marine Vessels	10 years		Any length of wire available.
Stelth® 6 	SRE-019: Cu-$CuSO_4$ SRE-020: Ag-AgCl SRE-021: Zn-$ZnSO_4$ SRE-045: Pd-$PdCl_2$	**Concrete Service** Ideal Size to Retrofit into Exising Concrete Dry Soil Conditions	30 years	0.75" (19 mm) width x 6.25" (159 mm) length.	20'(6.1 m) of #14 (2.5 mm²) RHH-RHW wire (any length of wire available).
Stelth® 7: 1 cm² New Design 	SRE-022-ND: Cu-$CuSO_4$ SRE-025-ND: Ag-AgCl SRE-028-ND: Zn-$ZnSO_4$ SRE-046-ND: Pd-$PdCl_2$	**IR-Free Probe** **1 cm² Coupon** On-Off Potential Depolarization Potential DC Current Density	30 years	2" (63.5 mm) width x 11" (280 mm) length.	Any length of RHH-RHW black #16-3 tray cable wire available.
Stelth® 7: 10 cm² New Design 	SRE-023-ND: Cu-$CuSO_4$ SRE-026-ND: Ag-AgCl SRE-029-ND: Zn-$ZnSO_4$ SRE-047-ND: Pd-$PdCl_2$	**IR-Free Probe** **10 cm² Coupon** On-Off Potential Depolarization Potential DC Current Density	30 years	2" (51 mm) width x 15" (381 mm) length.	Any length of RHH-RHW black #16-3 tray cable wire available.
Stelth® 7: Rocket 	SRE-031: Cu-$CuSO_4$ SRE-032: Ag-AgCl SRE-033: Zn-$ZnSO_4$ SRE-049: Pd-$PdCl_2$	**IR-Free Probe** **100 cm² Coupon** On-Off Potential Depolarization Potential DC Current Density	30 years	2" (51 mm) width x 12.75" (324 mm) length.	Any length of RHH-RHW black #16-5 tray cable wire available.

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Stelth® 7: AC-20 cm² 	SRE-024-AC20: Cu-$CuSO_4$ SRE-027-AC20: Ag-AgCl SRE-030-AC20: Zn-$ZnSO_4$ SRE-048-AC20: Pd-$PdCl_2$	**AC Mitigation Monitoring** Depolarization Potential On-Off Potential DC & AC Current Density Native Potential	30 years	2" (51 mm) width x 16" (406.5 mm) length.	Any length of RHH-RHW black #16-5 tray cable wire available.
Stelth® 7: AC-200 cm² 	SRE-031-AC200: Cu-$CuSO_4$ SRE-032-AC200: Ag-AgCl SRE-033-AC200: Zn-$ZnSO_4$ SRE-049-AC200: Pd-$PdCl_2$	**AC Mitigation Monitoring** Depolarization Potential On-Off Potential DC & AC Current Density Native Potential	30 years	2" (51 mm) width x 21.25" (540 mm) length.	Any length of RHH-RHW black #16-5 tray cable wire available.
Stelth® 7: Triton Rocket 	SRE-031-BE-V: Cu-$CuSO_4$	**AC Mitigation Monitoring** Depolarization Potential On-Off Potential DC & AC Current Density Native Potential	30 years	2" (51 mm) width x 21.25" (540 mm) length.	Any length of RHH-RHW black #16-5 tray cable wire available.
			Built to the standards of American Innovations. Contact 1 (800) 229-3404 for pricing and availablity.		
Stelth® 8 	SRE-034: Cu-$CuSO_4$ SRE-035: Ag-AgCl SRE-036: Zn-$ZnSO_4$ SRE-050: Pd-$PdCl_2$	**Thru-Hull Tanks** Tank Interior Applications Fluid Tank Service	20 years	4.25" (108 mm) width top x 0.5" (12.7 mm) width ceramic plug x 12" (305 mm) length high-impact ABS (any length available).	**Material:** 18.8 Stainless steel, aluminum, non-stick coating, high-impact ABS and a ceramic plug with moisture retention membrane
Stelth® 9 	SRE-037: Cu-$CuSO_4$ SRE-038: Ag-AgCl SRE-039: Zn-$ZnSO_4$ SRE-051: Pd-$PdCl_2$	**Deep Water Service** Extra Weight to Facilitate Application at Deep Submerged Levels	20 years	With 5 lb. weight: 2" (51 mm) width x 20" (508 mm) length (different weights available).	100' (30.5 m) of RHH-RHW black #10 wire (any length of wire available).

1 to 3 day delivery.

Infinite shelf life, infinite stability, and 30-year design life.

Stelth® reference electrodes are available in four chemistries:
Copper-Copper Sulfate (Cu-$CuSO_4$ – for areas with chloride plus bromide levels up to 1,000 parts per million) color-coded yellow

Silver-Silver Chloride (Ag-AgCl – for areas with chloride plus bromide levels near 19,000 parts per million (seawater) color-coded blue

Zinc-Zinc Sulfate (Zn-$ZnSO_4$ – for areas with chloride plus bromide levels up to 1,000 parts per million) color-coded red

Palladium-Palladium Chloride (Pd-$PdCl_2$– Hydrocarbon-proof HCP™ that are immune to hydrocarbons and chloride count issues, and therefore ideal for chloride and hydrocarbon level problem zones) color-coded orange

Material: High-impact ABS, ceramic plug with Moisture Retention Membrane (MRM™).

Each cell is Individually tested for internal resistance, continuity, IR-drop, sensitivity, and stability. Stelth® reference electrodes are then **certified,** with a **unique serial number,** allowing for **traceability of any cell throughout its lifetime.**

Our proprietary **Moisture Retention Membrane MRM™** traps moisture and the internal chemistry inside the reference electrode; the MRM™ also **prevents contaminated ground water** from entering the reference electrode.

Stelth® reference electrodes can be frozen; they come back to life once thawed.

A major breakthrough – the **hydrocarbon-proof (HCP™) Stelth®** reference electrode that **can be used in all environments.** If you have facilities contaminated by gasoline, crude oil, brake fluid, transmission fluid, et cetera and are unable to get a potential reading, the HCP™ stationary or portable Stelth® reference electrode will solve your problem.

Working Temperature Range: 32°F to +176°F (0°C to 80°C).

Material Temperature Range: -60°F to +185°F (-51°C to 85°C).