








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 (2.5mm ²) 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 mm ²) 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 Maintenance Required	10 years	1.215" (31 mm) width x 8.25" (203 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 Maintenance 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 Existing 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 mm ²) 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	2.5" (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.
 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" 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).

*Built to the standards of American Innovations.
Contact 1 (800) 229-3404 for pricing and availability.*

- **1 to 3 day delivery.**
- **Indefinite shelf life, indefinite stability, and 30-year design life.**
- **Stelth® reference electrodes are available in four chemistries:**
 - Copper-Copper Sulfate** (Cu-CuSO₄ – 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-ZnSO₄ – for areas with chloride plus bromide levels up to 1,000 parts per million) color-coded red
 - Palladium-Palladium Chloride** (Pd-PdCl₂ – 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).