




Solid-State Reference Electrodes

Stelth® Model Name	Model: Chemistry	Use	Minimum Service Life	Size	Standard Lead Wire
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).

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-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).

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