

## Stelth 2 – Buried & Concrete

# STELTH<sup>®</sup>2



## Stelth 2 – Buried & Concrete

### FEATURES:

- Minimum 30-year service life.
- 28 in<sup>2</sup> of sensing surface area gives you 9-35 times more surface area than other electrodes. This makes electrode positioning less critical to achieve accurate readings.
- Will not dry out in desert soil, a condition that renders other electrodes ineffective. Cyclical variations in soil conditions, ranging from hydrated to dehydrated have no adverse effects on the Stelth 2 electrode.
- Electrodes may be taken out of service for extended periods of time and reintroduced into the system without affecting electrode accuracy or ability to reactivate. (Electrode will fire up in less than five minutes.)
- Two levels of chloride ion trapping technologies are used in the Stelth 2:
  - *First*, we impregnate a trapping material into the ceramic sensing tube that traps chloride ions before they reach the chemistry of the Stelth 2 (patent pending).
  - *Second*, we employ a chloride ion trapping system that removes chloride ions that penetrate the CuSO<sup>4</sup> chemistry of the Stelth 2 before these ions can cause damage.
- Both of these systems give an additional benefit of lowering the internal resistance of the Stelth 2 reference electrode.
- Note: Chlorides at levels of only 200 parts per million alter the chemistry of a CU-CuSO<sup>4</sup> reference electrode enough to cause a complete breakdown, resulting in loss of stability and finally a total shut down.

**Size:** 1.5" (40 mm) diameter x 7" (180 mm) long.

**Material:** Ceramic with moisture retention membrane.

**Stability:** 5 millivolts with 3.0 microamps load.

**Temperature Range:** -10° to 176° F (-23° to 80° C)

#### Stelth Model SRE-007-CUY

Copper-Copper Sulfate (Cu-CuSO<sub>4</sub>)

For buried or concrete service in *chloride free* environments.

#### Stelth Model SRE-008-SUB

Silver-Silver Chloride (Ag-AgCl)

For buried or concrete service in *chloride* environments.

#### Stelth Model SRE-009-ZUR

Zinc-Zinc Sulfate (Zn-ZnSO<sub>4</sub>)

For buried or concrete service in *chloride free* environments.

# STELTH<sup>®</sup>2

- DELIVERY- IMMEDIATE to 3 DAYS
- Durable and Reliable
- Made in-house

