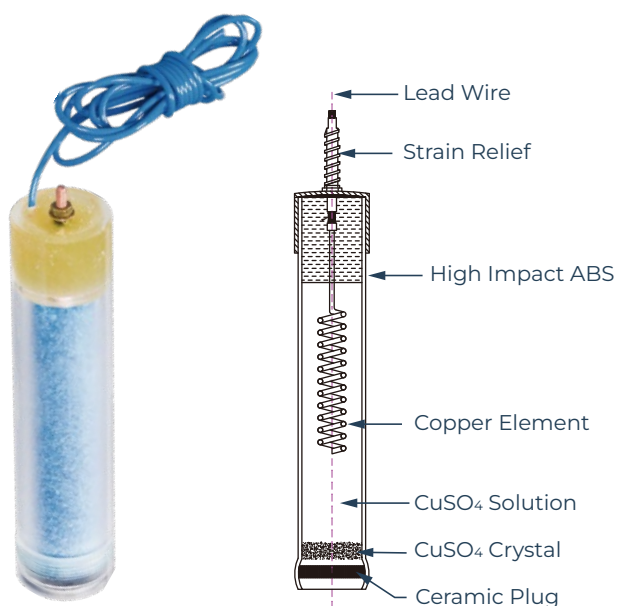


COPPER/COPPER SULFATE REFERENCE ELECTRODES

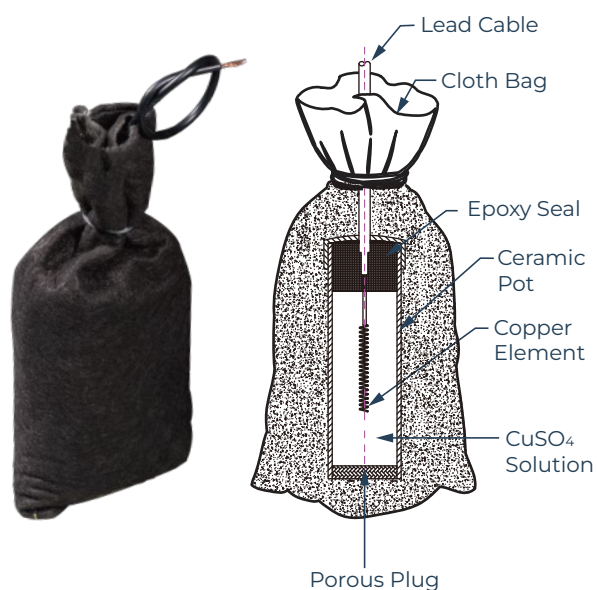
DATA SHEET

Copper sulfate electrode (CSE) is the most commonly used reference electrode for measuring potentials of underground structures and also for those exposed to freshwater. We manufacture a complete line of Cu/CuSO₄ electrodes in both buried and portable types.

■ Portable Copper/Copper Sulfate Reference Electrode



■ Bagged Copper/Copper Sulphate Reference Electrode



Item No.	JA-CSE-1
Diameter	1.26" (32 mm)
Length	5.9" (150 mm)
Potential Stability	± 5 mV
Insulation Resistance	> 1 mΩ
Temperature	0°C ~ 55°C
Design Life	30 yrs.

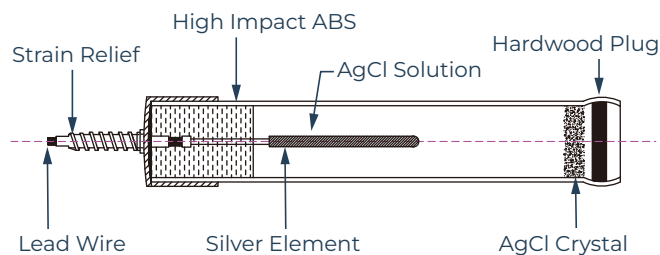
Item No.	JA-CSE-3
Diameter	7.9" (200 mm)
Length	11.8" (300 mm)
Potential Stability	± 5 mV
Insulation Resistance	> 1 mΩ
Temperature	0°C ~ 55°C
Design Life	30 yrs.

SILVER/SILVER CHLORIDE REFERENCE ELECTRODES

DATA SHEET

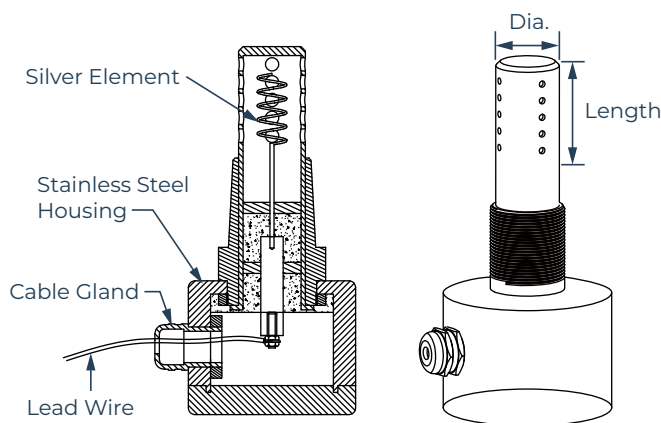
The silver-silver chloride (Ag/AgCl) electrode is by far the most popular type of reference electrode designed for use in high-chloride conditions, such as seawater environments, concrete structures, etc. It is constructed from a silver wire, part of which is 'chloridized' (covered with finely divided silver chloride).

■ Portable Silver/Silver Chloride Reference Electrode



Item No.	JA-SSC-1
Diameter	1.0" (25 mm)
Length	5.9" (150 mm)
Potential Stability	$\pm 5 \text{ mV}$
Insulation Resistance	$> 1 \text{ m}\Omega$
Temperature	$0^\circ\text{C} \sim 55^\circ\text{C}$
Design Life	20 yrs.

■ Silver/Silver Chloride Probe Reference Electrode

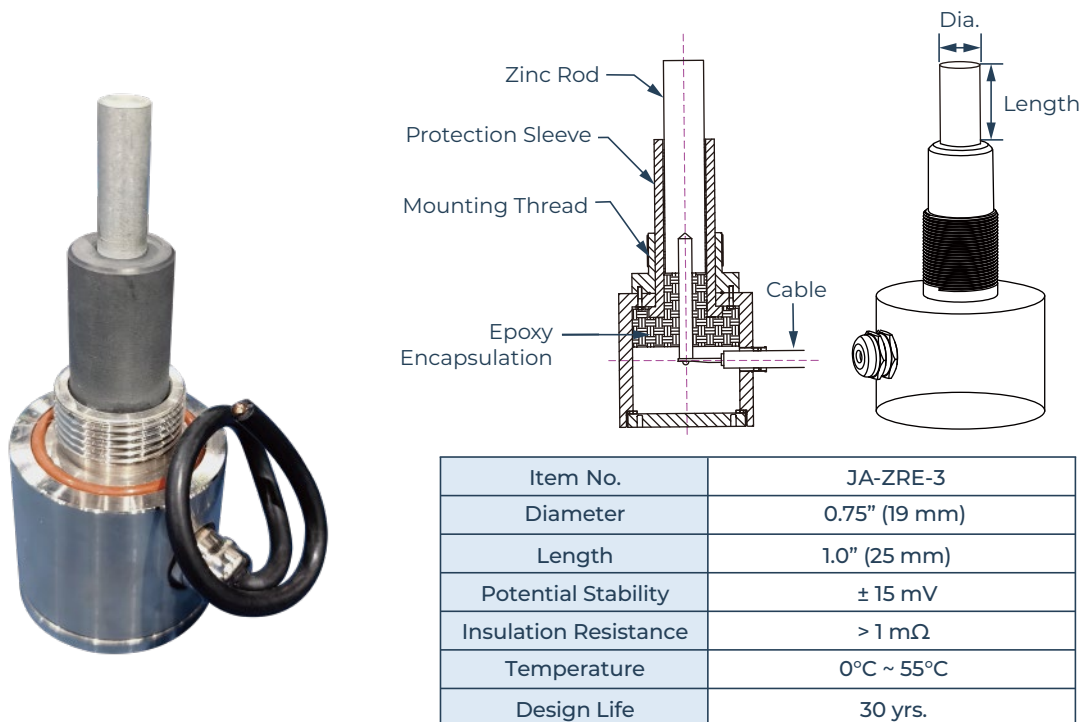


Item No.	JA-AGR-1
Diameter	1.2" (30 mm)
Length	2.0" (50 mm)
Potential Stability	$\pm 5 \text{ mV}$
Insulation Resistance	$> 1 \text{ m}\Omega$
Temperature	$0^\circ\text{C} \sim 55^\circ\text{C}$
Design Life	30 yrs.

ZINC REFERENCE ELECTRODES

DATA SHEET

Having the longest life of any of the permanent type reference electrodes, high-purity zinc electrode is used for onshore and offshore corrosion potential measurement. Packaged zinc electrode is preferred to measure potentials on buried metallic structures. While probe zinc electrode is generally applied to internally protected steel water boxes, tanks, pipes, etc.





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