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Installation Instructions

Undertank Reference Electrodes

These instructions apply to EDI Model UT undertank reference electrodes with gelled copper/copper sulfate ($Cu/CuSO_4$, model code CUG) or gelled silver/silver chloride (Ag/AgCl, model code AGG) elements. After removing electrode from carton, record the serial number and QC test potential; these are located on the yellow tag attached to the lead wire. Be sure to follow the correct procedures. Failure to follow these procedures will significantly shorten the life of the product.

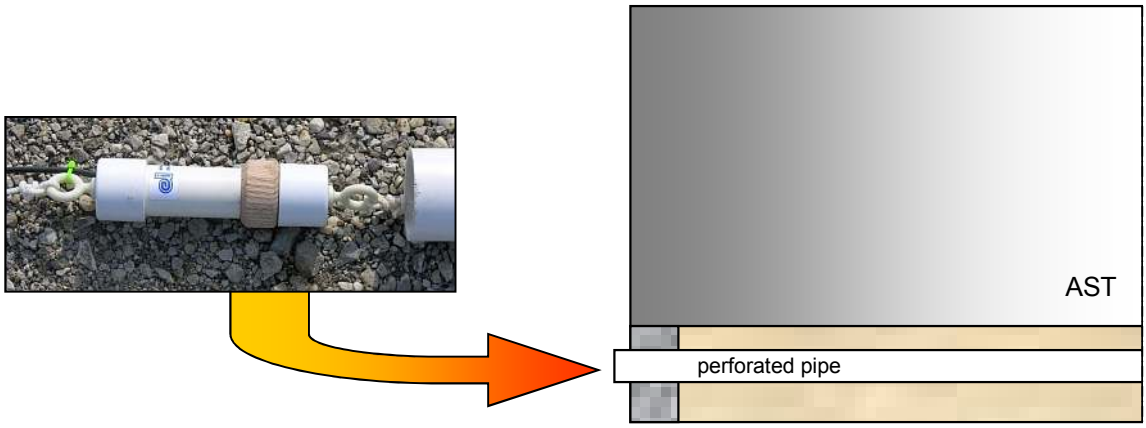
Storage

Models UT2 and UT3: When the electrode will not be used for more than a week, the vinyl cap should be placed so that it covers the wood membrane. If the vinyl cap is lost or damaged, an alternative storage procedure is to wrap the wood membrane with a damp (potable water) paper towel and then overwrap it with either a clingy plastic wrap or aluminum foil to retard evaporation.
Model UT1: Use the overwrapping procedure described above.

The electrode should be stored indoors at room temperature and out of the sun. Before reusing the electrode, remove cap or overwrap and soak it for a couple of hours in potable water. Model UT2 and UT3 electrodes may be left in the perforated pipe beneath the tank provided it is in a location where the temperature will not exceed 110ºF (45ºC).

Usage

Before pulling the reference electrode through a perforated pipe for the first time, the pipe must be flushed and cleared by dragging a dolly of equal or greater diameter through it in order to clear any obstructions. This pipe should be covered when not in use. Tow lines are to be attached to both eyebolts for pulling the reference electrode. ***Never pull the reference electrode by pulling on the lead wire.*** There must be a moisture film on the bottom of the perforated pipe in order to make valid potential measurements; it may be necessary to flush the pipe to create this film. Since the measurement path usually has high resistance, it will be necessary to use a high input impedance (>100 Meg) meter to obtain a valid reading.



When Quality Counts ...

At EDI, we design all our products to meet the needs of the corrosion industry. Our products are easy to install and use, and they provide consistent quality and value to the purchaser.

Every gelled reference electrode we produce has a unique serial number and is individually tested to ensure proper operation. The serial number and the QC test result are recorded on the yellow tag attached to the wire. Detach the tag and keep it with other installation records for this job.

Installation and usage instructions for this product are on the other side of this page. Please review them and follow them carefully to ensure that you receive the long-term reliable performance we have designed into this reference electrode. Thank you for selecting reference electrodes by Electrochemical Devices, Inc.

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Reduced diameter reference electrodes for permanent installation beneath aboveground storage tanks.

SlimLine™ Reduced Diameter Underground References

- Featuring Cu/$CuSO_4$ or Ag/AgCl reference elements
- Available with **30 year** or **50 year** design lives.
- Special dual element version available with packaged zinc plus a Cu/$CuSO_4$ or Ag/AgCl reference element
- For further information on our underground reference electrodes, please visit our web site

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Linear anodes for cathodic protection of aboveground storage tank bottoms

EDI's Model AT Linear Anode System consists of copper-cored titanium flat wire coated with platinum or mixed-metal oxide and a parallel shunt wire encased in a flexible plastic mesh. Its unique connector system allows modular sections to be easily joined in the field.

Model AT – Linear Anode System

- Installs quickly
- Less material to handle
- Highly Redundant
- Safe

This anode is also used for pipelines and underground storage tanks.
For further information, please visit

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