

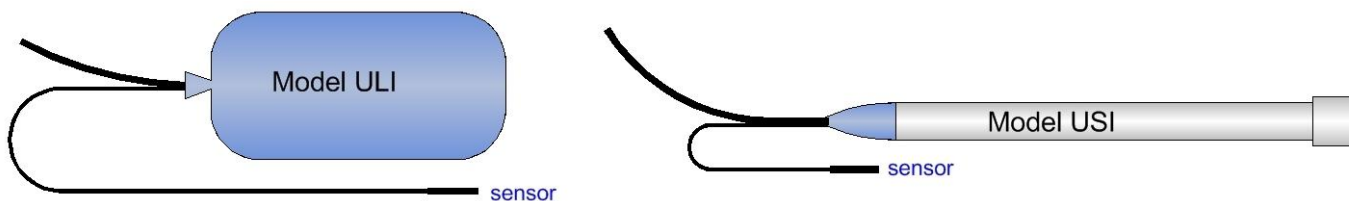


## Instant Off Sensors attached to Underground Reference Electrodes

These instructions apply to all EDI underground reference electrodes with attached Instant Off sensors, including Model USI reduced diameter reference electrode and Model ULI bagged reference electrode. Be sure to follow the correct procedures. Failure to follow these procedures will significantly shorten the life of the product.

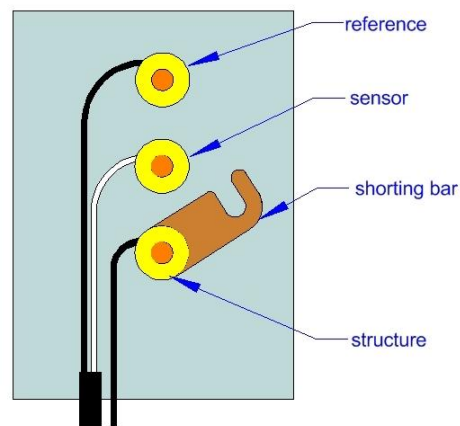
Remove electrode from carton and record the serial number and QC test potential; these are located on the yellow tag attached to the lead wire. Locate electrode as directed by the responsible Corrosion Engineer. Install the reference electrode in accordance with the included installation procedures for the product. For best results, the reference electrode should be installed 1 to 3 feet (1/4 to 1 meter) from the structure and surrounded by the same backfill as surrounds the structure.

**Installing the sensor** . Press the sensor into the backfill so that it is within 6 inches (15 cm) of the bottom of the bag (bagged references) or the small cloth sleeve (reduced diameter references). Ensure that no rocks are touching the sensor.



**Test station connections** . The black wire is connected to the reference electrode; the white wire is attached to the Instant Off sensor. Each wire should be connected to its own terminal. A shorting bar is placed between the sensor terminal and the structure terminal.

**Measurements** . Normal potential measurements are made between the reference and the sensor terminals with the shorting bar closed. Instant off potentials are measured between the reference and sensor terminals as the shorting bar is opened.



## 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 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 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.

**electrochemical  
devices, inc.**



**www.edi-cp.com**

**Get a maintenance-free  
portable reference electrode  
from the leader in reference  
electrode technology.**



### **Model IT - Permanent Portable Reference Electrode**

- Maintenance-free construction never needs rebuilding
- Eliminates need for hazardous liquid waste disposal
- End-grain wood membrane resists clogging and dry-out.

For further information and ordering, visit our web site

**www.edi-cp.com**

**Eliminate IR Drop error from  
potential measurements.**

EDI's Cathodic Protection Coupon uses patented advanced concentric CP coupon technology to eliminate up to 100% of the soil IR drop error in current-on measurements



### **Model UC – Underground Concentric CP Coupon**

- Easily fitted to the base of a test station riser
- Potential measurements can be made with either portable or permanent reference electrodes

For further information, please visit

**www.edi-cp.com/uc2.htm**