

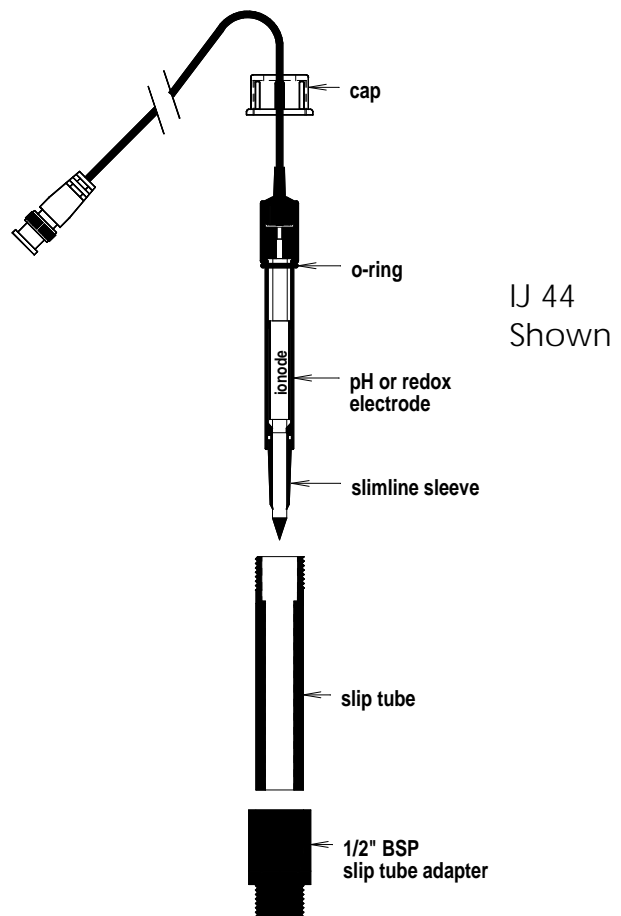
Process IJ/IH Mounting Kit – MK01

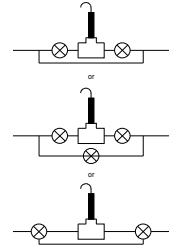
The IJ44/IH20/IH40 pH and IJ64/IH30 Redox electrodes are ideally suited for process applications due to their rugged design. The replaceable gel electrolyte (IJ Series Only) regulates the electrolyte flow such that replenishment intervals can coincide with calibration and routine cleaning intervals. The removable sleeve allows easy cleaning of the reference junction, even in the dirtiest of samples.

Note: It is better to use the IJ slimline sleeve on the electrode for in-line process applications.

Kit Includes:

- Cap
- o-ring
- Slip tube
- Tube adapter
- Instruction sheet





Installation

1. Install a tee fitting with a ½" female BSP or 15mm PVC glue port into the sample line. Position the tee such that it will not trap air bubbles over the electrode.

Note: It is recommended that a bypass loop be installed so that the electrode can be removed and serviced without interrupting flow.

2. If the tee has a ½" BSP female thread, then install the tube adaptor into the tee. Otherwise proceed to Step 3.
3. Place the o-ring onto the electrode body and push it up to the shoulder.
4. Thread the cap over the electrode connector.
5. Place the electrode into the slip tube and secure the cap.
6. Determine how long the slip tube must be in order for the electrode to protrude well into the pipe, but not hit the opposite wall.
7. Remove the electrode from the slip tube.
8. Cut the slip tube to the appropriate length.
9. Prime and glue the slip tube into the tube adaptor or 15mm fitting with PVC primer and glue. Cure.

Helpful Hints

When installing the IJ44/46 pH electrode into a process application, follow these guidelines:

- Allow for easy servicing. Install a by-pass loop.
- Avoid air bubble traps. Mount in-line electrodes between 45° and 90° to the vertical to prevent air from interfering with the signal.
- Locate electrodes and cables away from pumps and other sources of electromagnetic radiation, if possible. These can cause noisy signals, especially on long cable runs. Pre-amplification may be necessary in some cases.
- Protect the cable from physical abuse.
- Properly ground the sample to the controller to prevent ground loop potentials. Consult your controller manual.
- Calibrate, clean, and replenish the electrolyte on a regular basis, depending on the required accuracy and sample matrix.