



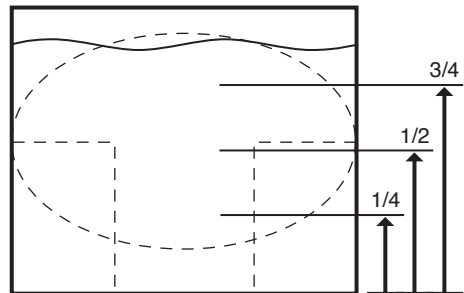
<b>Date Originated:</b> 01/12/00	<b>Revision:</b> B	<b>Revision Date:</b> 03/08/04	<b>Standards No.</b>	<b>7500002</b>
----------------------------------	--------------------	--------------------------------	----------------------	----------------

<b>Subject:</b> LC Water Level Monitor Cutting, Calibration and Installation Instructions
---

## Part 1: Cutting and Calibrating Probe

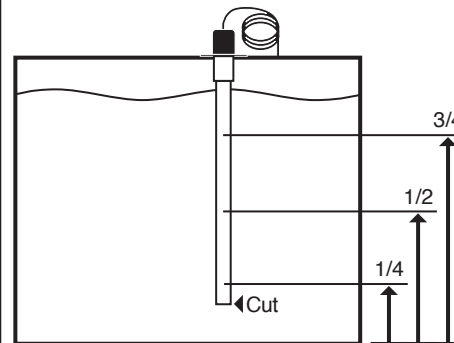
### Step 1

Determine the 1/4, 1/2, and 3/4 levels of the tank. T-shaped, elliptical, or cylindrical tanks may require volume calculations to accurately determine these levels.



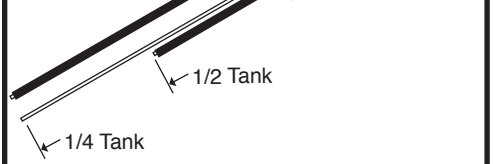
### Step 2

Cut the PVC tube so that when placed in the tank it extends about 2 inches below the 1/4 tank level.



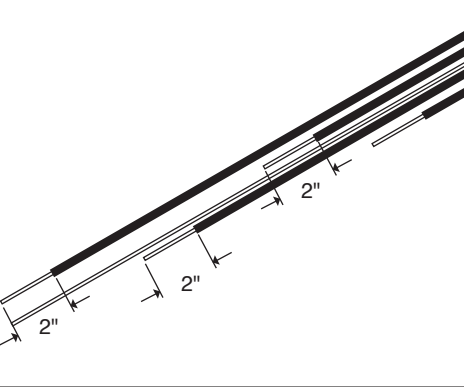
### Step 3

Cut both the uninsulated stainless steel wire and the longest insulated wire probe to extend to the 1/4 tank level. Similarly, cut the 2nd longest insulated wire at the 1/2 level and the 3rd longest at the 3/4 level. The shortest wire probe is for FULL level and can usually remain at factory length.



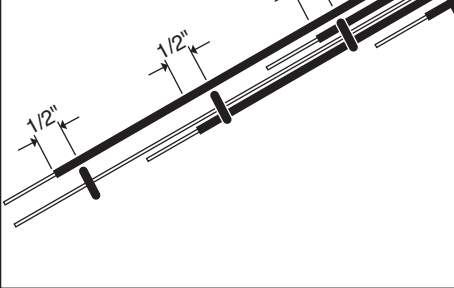
### Step 4

Wire strip 2" of the insulation off of each probe.



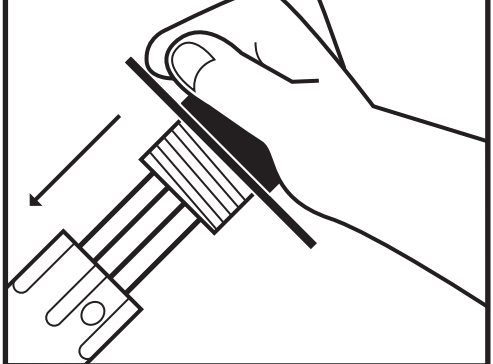
### Step 5

Place 4 rubber spacers onto the uninsulated stainless steel wire and space them as shown. Each spacer should contact the probe about 1/2" above the end of the insulation.



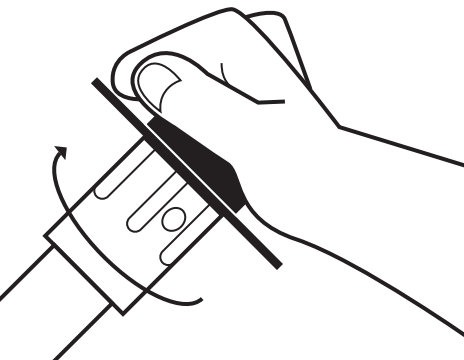
### Step 6

Carefully install electrode assembly into PVC tube.



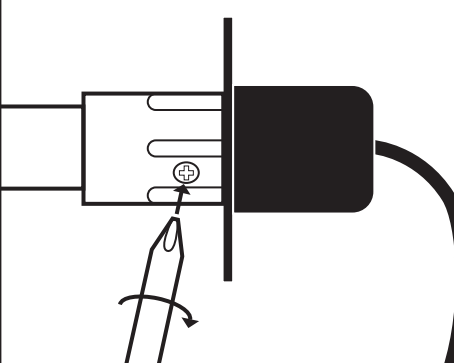
### Step 7

Grasp black cap firmly and screw the probe cover onto PVC probe housing tube.



### Step 8

Tighten retaining screw on cover using a Philips head screw driver.



## Part 2: LC System Installation on Back

## Part 2: Installing the Probe

### Note:

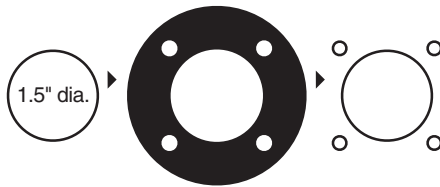
The flange must be mounted on the top of the tank or inside a fill tower in a way that holds probe vertically level.

### Note:

Do not locate the probe flange in an area that may accumulate water and cover the probe. Do not paint the probe above the flange. Either of these actions can permanently damage the probe.

### Step 9: Probe Installation

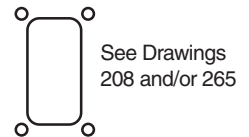
Cut a 1.5" diameter hole at the desired location on top of the tank. Use the probe flange as a template to drill four mounting holes. If the tank is plastic, drill 7/32" holes to accept the #14x3/4" screws provided. If the tank is metal, drill and tap the holes for 1/4" bolts (not included). Place the rubber gasket between the flange and the top of the tank when installing the probe.



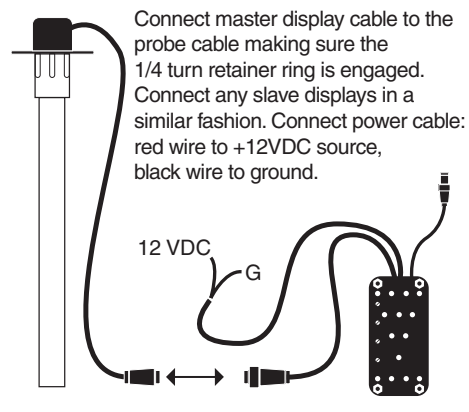
### Step 10: Display Installation

If not already assembled, mount the display module to the decorative mounting bezel and apply the graphic overlay.

Drill and mount the master display and any slave display modules and cover plates using drawing no.208 (dimensions for master and slave displays) and/or drawing no.265 (dimensions for mini slave displays).



### Step 11: Reconnect Cables



### Note:

The display power supply(+12VDC to +26VDC) should be in a circuit with a 500mA to 1A fuse. (Total current drain approx. 200mA per large display)

### Note:

Slave Displays connect to the master display via 7 conductor extension cables. Be sure all 1/4 turn connector retainer rings are secure.

### WARNING:

**Do not use the LC Series Level Probes in flammable liquid. Explosion or fire could result.**