

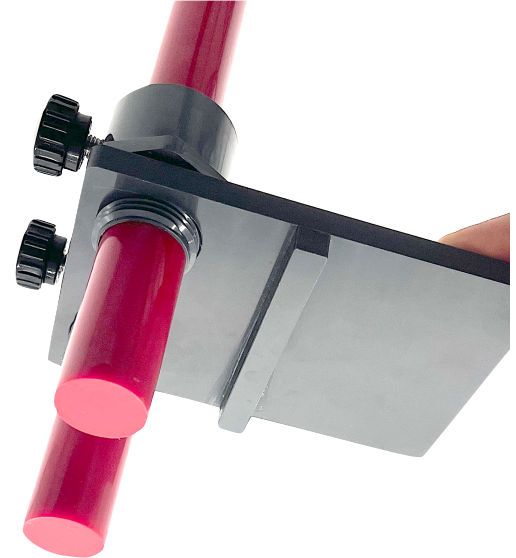
CAPACITANCE LEVEL PROBES

1. GENERAL

- Installation tips for the capacitance level probe. The electronic instructions are covered in a separate instruction for the Level controller. (LC3 for example)

2. INSTALLATION TIPS

- Depending on the product, the probe assembly may consist of 1,2, or 3 probes. The purpose of each probe should be labelled. (“emergency high”, “low level” or “high level shutoff”)
- The probes sense liquid at about 1 inch up from the bottom the pipe. (they do not sense at the bottom face of the pipe!) When liquid is sensed, an LED inside the pipe will illuminate. (this this is visible, although may be difficult to see, so you may have to rotate the pipe to see it)
- After the LED senses liquid, the electronics provide a 2 second delay to damp sloshing.
- The probes come with a mounting plate that has a raised rib. This is to make sure that the probes are away from the tank walls. (if the tank walls are metal, or if they have condensing liquid is on them then they may sense this and read falsely).
- The probes should extend at least 3” below the bottom thread of the thumbscrew collars. Otherwise they may detect trapped liquid in-between the collar and the probe. If they must be mounted higher in the tank, then the mounting plate can be elevated. (see image)



CAPACITANCE MOUNTING PLATE



ELEVATED BLOCK

3. OPERATION

- The maximum service temperature of the probes is 225°F.
- Materials: the probe and cord grip is PVDF. Mounting plate and thumbscrew collars are PVC. Thumbscrew threads are 304SS.