

# MULTI-PURPOSE CONDUCTIVITY CELL

Doc # x35x45 Rev. 10/2000

The multi-purpose cell can be used in three different configurations:

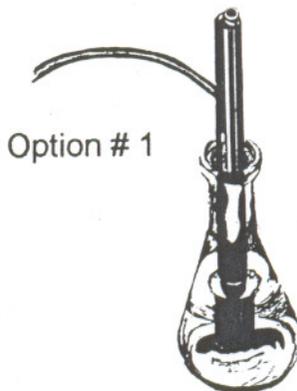
1. Dip Cell -For dipping into a test tube or beaker
2. Pipette Cell -For measuring small sample amounts.
3. Flow Cell -For using in a in-line flow system.

Included with the Multi-Purpose Cell are the following parts:

- (2) 10" pieces of vinyl tubing
- (2) plastic clamps
- (2) plastic mounting tabs
- (2) 6" zip ties
- (1) piece foam pipe insulation
- (1) rubber bulb

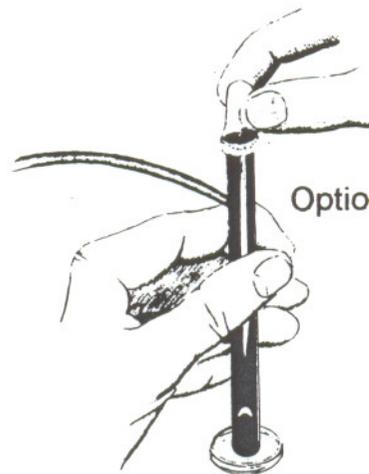
## Option #1 Dip Cell

The multi-purpose cell can be used as a dip cell by simply dipping the cell into a test tube or beaker filled with solution. The cell must be immersed at least 1.5" for proper measurement.



## Option #2: Pipette Cell

Included in the package with the multi-purpose cell is a rubber bulb. Attach the bulb to the top end of the cell (near the cable). Squeeze bulb. While holding cell at slight angle, immerse cell in sample and release bulb to draw up the sample into the cell. Wait until reading becomes stable, record measurement and then squeeze bulb again to release the solution.



## Option #3 Flow Cell

Carefully attach the (2) 10" pieces of vinyl tubing to each end of the cell. To prevent leaks, (2) clamps have been provided which may be used to secure the vinyl tubing to each end of the cell. A piece of pipe insulation has been supplied which will aid in isolating the cell from ambient temperature changes. Insert the cell into the pipe insulation. If it is desired to mount the cell in a fixed location, (2) mounting tabs have been provided. To avoid air bubbles, it is suggested that the cell be mounted at a 45° angle. Using screws (not provided) attach mounting tabs to a wall, bench or other desired object or location. Next, insert zip tie through mounting tab and around insulation containing cell. Secure zip tie. Flow cell is now mounted and ready for use. The flow method is ideal for measuring high purity water.

