

## INSTRUCTIONS FOR CONDUCTIVITY MICRO FLOW CELLS

### UNPACKING:

Remove the (2) PVC tubes, they are used to protect cell during shipping. Remove wire. The wire should be used to remove any obstructions that occur during use. Set aside and retain the (2) plastic mounting tabs and (2) 10" zip ties, they can be used for mounting the Micro Flow Cell if desired.

### CELL CONSTANT:

The 529, 629 and 829 Micro Flow Cell have a Cell Constant (K) of  $100 \text{ cm}^{-1}$ . The 729 has a Cell Constant (K) of  $135 \text{ cm}^{-1}$ . Therefore, all displayed readings must be multiplied by 10.

### MAXIMUMS:

Temperature: 50 degrees Celsius (50 °C)      Pressure: 50 Pounds per Square Inch (50 PSI)

### VOLUME:

The 529 & 829 cell volume (between plates) is 6.6 micro liters. The 729 cell volume is 8.9 micro liters.

### MOUNTING:

If possible, mount the Micro Flow Cell so that the solution flows upward. This will help to clear any air bubbles. There are several mounting possibilities for the Micro Flow Cell. Here are two mounting suggestions: Tool required: Philp head screwdriver of proper size will be necessary.

**Option 1.** Using the (2) plastic mounting tabs provided, attach mounting tabs with screws (not provided) to a sturdy surface of choice (example wall or bench top). (See Diagram #1). Insert the zip tie through the space in the mounting tab and secure around the Flow Cell.

**Option 2.** Carefully remove the (2) 1/4" S/S pan head philip screws that are attached to the collar of the Micro Flow Cell. Install the (2) mounting tabs (provided) onto the collar of the Flow Cell utilizing the screws previously removed. Using the (2) zip ties provided, insert zip tie(s) through space in mounting tab and object to be mounted to. Secure zip tie snug. (See Diagram #2).

### SET UP:

Connect tubing to each end of the Micro Flow Cell.

Note: Non-metallic tubing and fittings must be used.

### USE:

The 529 (five pin connector) Micro Flow Cell is for use with Conductivity Meter Models: 604, 605, 2052, 1054, 1056 & 4603.

P/N 629 (six pin connector) is for use with Model 1062.

P/N 729 (seven pin connector) is for use with Model 1052. (Discontinued)

P/N 829 (eight pin connector) is for use with Models 3082, 3082-S & 4081, 4083 & 3084

### WARRANTY:

The Conductivity Micro Flow Cell is warranted to be free from defects in material and workmanship for a period of 90 days from date of purchase. Any attempt to disassemble the Micro Flow Cell will void the warranty. If repair is necessary, authorization must be obtained from the manufacturer or authorized distributor before returning the product. Out of warranty products will be repaired on a charge basis.