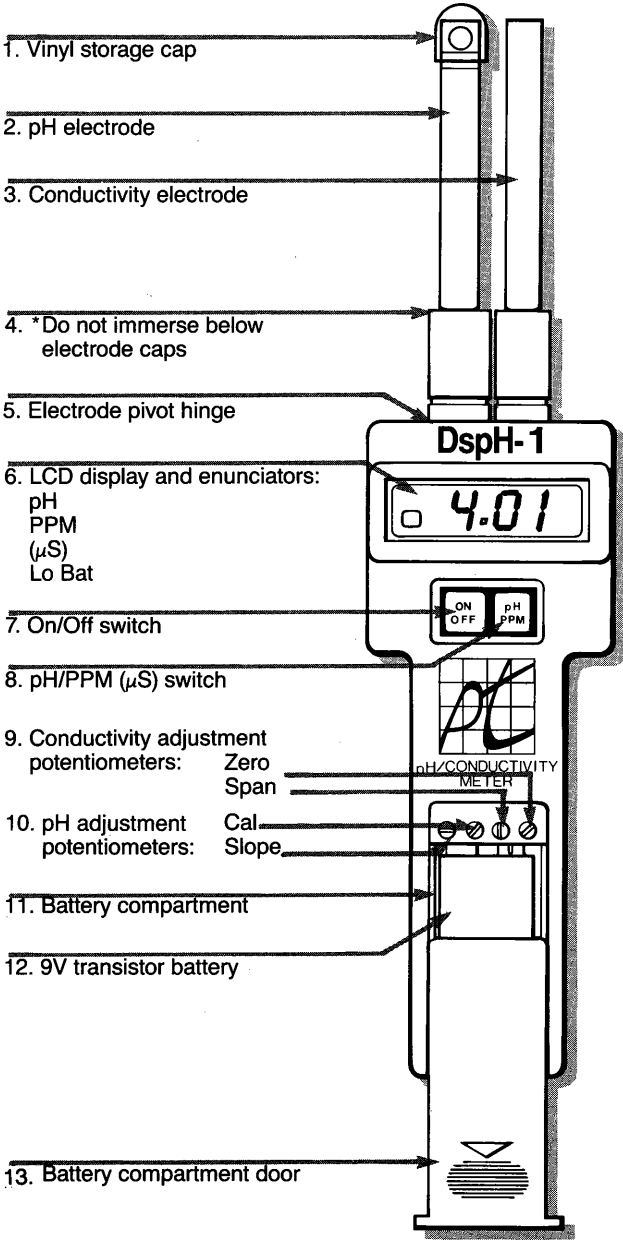


# DspH-1 pH/CONDUCTIVITY METER



## OPERATING INSTRUCTIONS

1. Deploy electrodes in either the 90 or 180 degree measurement position.
2. Energize by depressing the On/Off switch once.
3. Immerse electrodes into solution to be measured. For proper operation, immerse electrodes  $\frac{1}{2}$  their length. Overrange conductivity is indicated by a 1. Measurement range is 0-20K PPM ( $\mu$ S).
4. When energized, the LCD enunciator will show which parameter is being measured.
5. Agitate electrodes briefly and observe the reading.
6. To change parameters, depress the pH/PPM ( $\mu$ S) switch once.
7. Observe the second reading.
8. Rinse electrodes thoroughly and replace pH storage cap.

## CALIBRATION INSTRUCTIONS

Your instrument has been pre-calibrated prior to shipment. Calibration should be performed periodically with fresh pH buffers and known conductivity solutions.

### pH MODE

1. Rinse the pH probe in distilled water.
2. Insert in a fresh #7 buffer solution.
3. Slide back the battery compartment cover to the first stop exposing the adjustment pots.
4. Adjust the CAL pot until the display reads 7.00.
5. Remove probes, rinse and insert in a #4 or 10 buffer solution.
6. Adjust the SLOPE pot until the display reads the correct value.

### CONDUCTIVITY MODE

1. Rinse probes thoroughly by agitating in pure water.
2. Wipe off conductivity probe and allow to dry.
3. Once dry, conductivity should read 0 in air.
4. Adjust ZERO pot if reading is incorrect.
5. Immerse sensor in known conductivity solution.
6. Adjust SPAN pot to desired conductivity value.
7. Rinse probes.

## HELPFUL HINTS

1. Electrodes should be rinsed thoroughly after each test.
2. Be sure to replace the protective pH cap after each use.
3. Fill the cap with a small amount of pH 4 buffer or tap water.
4. If the conductivity probe does not zero, it may indicate dried solids on the sensor. Clean with a mild detergent solution.
5. For best results, calibrate pH with a buffer that is within 3 pH units of the test sample.
6. Choose a conductivity calibration solution that is near the samples to be measured.
7. Remove the battery when the instrument will be stored for a long period.