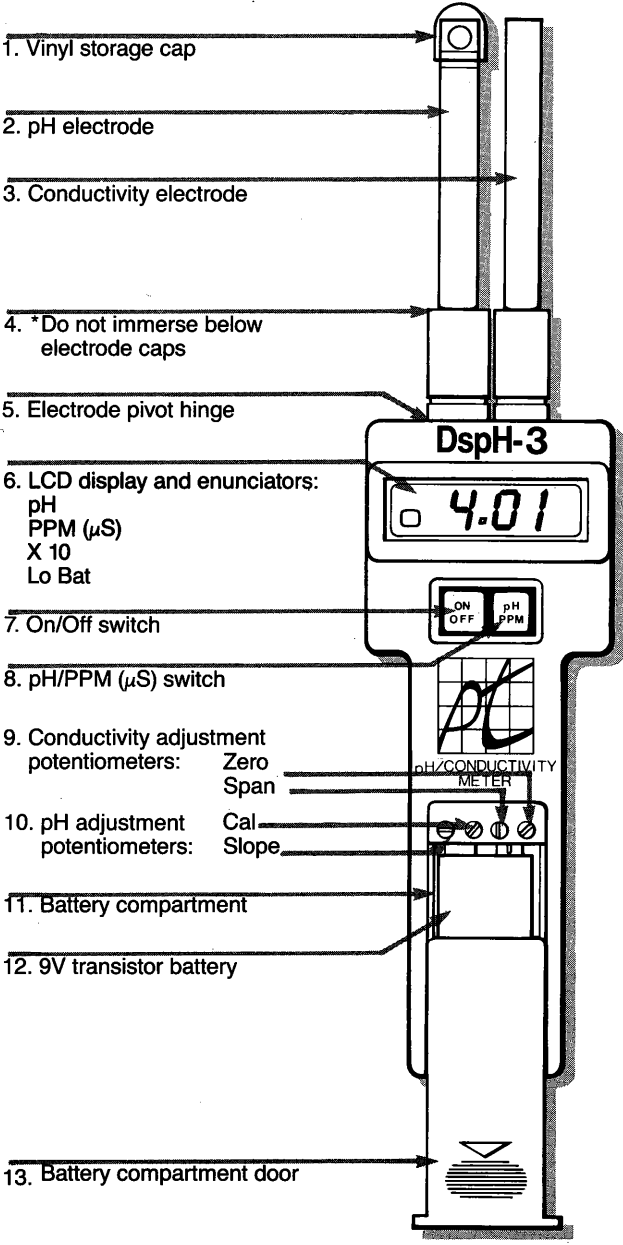


DspH-3 pH/3 RGE. CONDUCTIVITY METER



It is our policy to comply with all applicable safety and EMC/EMI regulations worldwide. We are constantly pursuing certification of our products to the European New Approach Directives. We will add the CE mark to every appropriate device upon certification.

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.
4. When energized, the LCD enunciator will indicate which parameter is being measured. E.G. pH, PPM (μS), or PPM (μS) X10. Only the 200K range utilizes the X10 enunciator. 20K and 2K are direct readings. Note selection sequence in #7. Overrange conductivity is indicated by a 1. Proceed to higher range for reading.
5. Agitate electrodes briefly and observe the reading.
6. For each range change desired, depress the pH/PPM (μS) switch once. This unit utilizes 3 ranges of conductivity. The range sequence is: pH-200K-20K-2K.
7. 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. Adjust SPAN pot to desired conductivity value.
6. Only a single point calibration in the 2K range is required to standardize. However, if unit is to be used primarily in higher ranges, it is recommended that the single point calibration be performed near point of use for best resolution.
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.