Operating Instructions for the *Accurate* PPM 2.5 meter

Specifications

Range: EC converted to 1 ~ 1999 PPM

Resolution: 1 PPM

Accuracy: ±2% Full Scale

Calibration: Factory / User Calibrated - 1382 PPM KCL 500PPM to 1 EC

Temp: 0~122 Fahrenheit (Temperature Compensation: Automatic)

Battery: Use four 1.5 volt batteries (LR44) / 4 x 1.5vn (LR44)

Replacement or Repair Warranty: 12 months for defective parts and materials from date of manufacture. Proof of purchase required. Warranty does not cover abuse.

Operating Manual for the *Accurate* PPM 2.5 Meter

1. Remove the protective electrode cap and switch the meter to the ON position.
2. If you are using this meter for the first time or the meter has not been used for a long time you will need to calibrate it for accurate readings. Skip to the calibration section then return to step 3.
3. Dip the meter's electrode into a small sample of the solution to the immersion level as shown. Stir gently, stop and wait for two minutes for the temperature compensation display value to stabilize. The display number is the PPM (parts per million) value of the solution. Some environmental conditions such as electromagnetic fields from lighting, computers, transformers or other electronic devices may cause the readout to bounce back and forth displaying 2 or more PPM readings. This is acceptable and an average between the PPM readings should be taken. Example: A reading that bounces between 700 PPM and 710 PPM should be interpreted as 705 PPM. Note: *The meter is not waterproof. Never dip the meter into a large body of solution as you may drop it in and ruin the meter. Test small samples only. See pictures.* For a complete temperature compensation, allow the meter's display reading to stabilize for up to 2 minutes.
4. Immediately after finishing your test, dip or rinse the electrode in distilled water. Stir gently. Then use tissue paper to blot the excess water from the meter's body and the electrode's two metal pins. Replace cap. Note: *As with all quality PPM meters, do not allow the solution that you are testing to dry on the electrode's metal pins. Also, blotting action must be carefully done in order not to damage the metal pins.*
5. When storing the PPM meter, switch the unit to the OFF position. Complete step 4. After step 4, put the cap onto the PPM meter and store it in a cool place out of direct sunlight and moisture. For extended storage time take the batteries out of the meter. Do not store with the meter's electrode submerged in water or solutions.

If the unit cannot be switched ON or the display fades replace all of the batteries with new batteries. *Use only one brand of batteries. Never mix battery brands.*

Calibration of the *Accurate* PPM 2.5 Meter

   If you are having trouble calibrating the meter or you are seeing incorrect readings, the batteries most likely need to be replaced. Check battery quantity and model number under specifications. This PPM meter has a 1-point calibration system for superior accuracy. The Calibration Screw is on the back. Control Wizard Products recommends its brand of 1382 PPM calibration solution, as it is a high quality product.

1.Turn the meter ON and place it into clean distilled water. Gently stir and then remove the meter from the water and blot the excess from the meter's body and electrode with a tissue.

2.Dip the meter's electrode into a 1382 PPM calibration buffer solution to the emersion level shown and wait two minutes. If the display does not show 1382 PPM, adjust the calibration screw at the back of the meter to make it display 1382 PPM.

3.Calibration is complete. Rinse the electrode with distilled water and blot the meter with a tissue before taking your test.

Troubleshooting

   If you are having trouble calibrating the meter or you are seeing incorrect readings, the batteries most likely need to be replaced. Check battery quantity and model number under specifications. For the complete temperature compensation of the solution being tested, allow the display reading to stabilize for up to 2 minutes.

© 2005 Control Wizard Products 1.888.433.6867 www.controlwizardproducts.com

On / Off Switch

Batteries

Display in PPM

Submerge to Here

Pocket Clip

Calibration Screw

Cap

Electrode