



Operating Instructions for the *Accurate* PPM 3.5 meter

Specification: *Accurate* PPM 3.5 meter

Range: EC converted to 1 ~ 1999 PPM

Resolution: 1 PPM

Accuracy: $\pm 2\%$ Full Scale

Calibration: Factory / User Calibrated - 1382 PPM

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

Battery: DC 4 x 1.5v (Two (2) LR44 AND Two (2) GP189 or equivalent)

Waterproof to 1 meter for short periods of time.

Electrode not removable. Do not attempt.

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 3.5 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 meters electrode into a small sample of the solution to be tested. Stir gently, stop and wait for the displayed value to stabilize. The readout number is the PPM (parts per million) value of the solution. Some environmental conditions such as electro magnetic 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: 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.
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. Put the electrode protector 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.
6. 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 3.5 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 and is calibrated to 1382 PPM. The Calibration Screw is the cap. Turn the cap counterclockwise for removal. Using the supplied screwdriver, turn the screw to calibrate. Battery compartment removal is not necessary for calibration. Control Wizard Products recommends their brand of 1382-PPM calibration solutions, as it is a high quality product.

1. Remove the electrode protector, 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. If the display does not show 1382 PPM, adjust the calibration screw under the cap to make it display 1382 PPM. Calibration is complete. Rinse the electrode with distilled water and blot the meter with a tissue before making your test. Cap must be screwed ON securely for the meter to be waterproof.

Battery replacement: Make sure that the cap is screwed on tight after replacing batteries/calibrating or the meter will not be waterproof.

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.

