Preparing for Use

To install battery:

1. Open battery door on back of case.

2. Connect a 9-volt battery to battery clip.

3. Insert battery into case and replace battery door.

After you press the ON/OFF button, an LED will flash to remind you the unit is on.

Using the hose connector provided, attach one end of the long working tube to the lower end of the short tube that passes through the body of the ElectraLevel™ . There will also be a short end sticking up out of the top.

Move the hose clamps, if necessary so that one is on the short tube sticking out from the top and the other clamp is at the free end of the long tube.

Fill with Water

1. Uncoil the tube and unlock the clamps at both ends.

2. Fill a container with hard TAP WATER, not distilled. You need chemicals, especially salt, in the water for conductivity.

Place the open end of the long tube in the water container, making sure the end of the tube stays under water and siphon to fill (see figure 1).

3. Lock the clamps at each end to keep the water from running out as you set up your work area.

4. Check visually to make sure that there are no air bubbles in the tube before using.

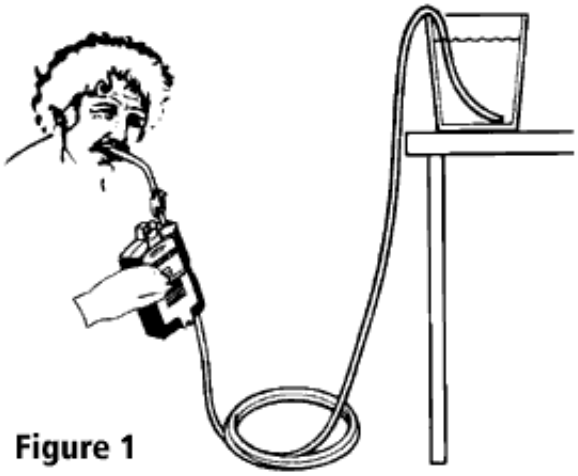

Figure 1

To avoid inaccurate readings, always remove air bubbles in the filled tubing before using the ElectraLevel™ by opening both clamps and shaking the tube gently to force the bubbles to the top.

Installing the ElectraLevel™

Make sure there are no kinks, knots, or air bubbles in the ElectraLevel's tubing.

The level can be mounted so that the reference arrows on the sides are at the desired finished level point (see figure 2).

You can also mount it above or below that point measuring up or down from your marks to the desired location (see figure 3).

Figure 2

Fasten the electronic unit at both top and bottom to ensure stability.

If the level swings from side to side, your level points will change and give you inaccurate readings.

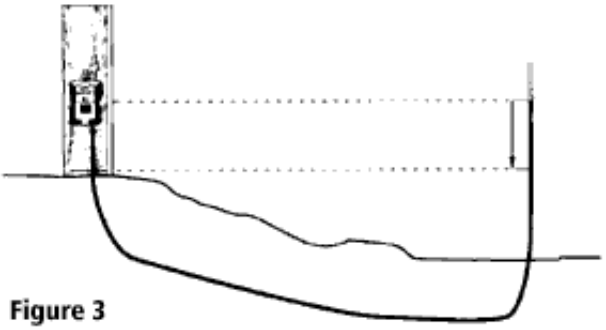

Figure 3

Verifying the ElectraLevel's Accuracy

The level works by matching the water levels on both ends of the long tube.

To verify that it will beep at the same spot each time you look at the level of water, try the steps below:

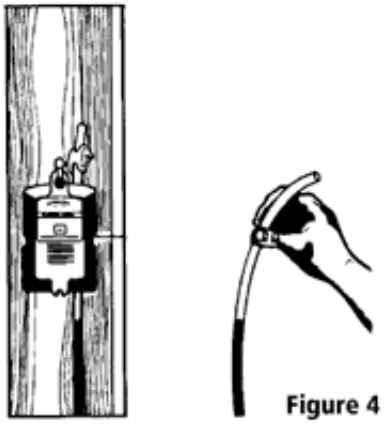

Figure 4

Calibrating your eye and the ElectraLevel™

1. Hold the tube with the water below the electronic unit and open both clamps (see figure 4).

Activate the level by pressing the ON/OFF button.

2. Slowly raise the long end of the tube until its water level is approximately even with the reference arrow on the side of the unit (see figure 5).

3. The audio tone should sound, indicating that you have found the ElectraLevel's exact internal calibration point. When used properly, the ElectraLevel™ audio tone will always sound when the water level reaches this point.

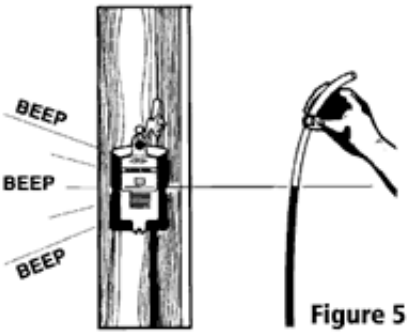

Figure 5

4. Do this a number of times to get a feel for how slowly to raise the long end of the tube for maximum repeatability.

5. If the reference arrow on the plastic case does not line up exactly with the sound indication, just make a mark on the case with a pencil so you will know the sound reference point to use.

Using the ElectraLevel™

1. After attaching the electronic unit to work area, activate the ElectraLevel™ by pressing the ON/OFF

button.

2. Lower the working end of the tube to below the reference arrow. Open the clamp on the short end of the tube. Move the long length of the tube to the working area, making sure that the tube is not knotted or kinked and will not be kicked, stepped on or disturbed. Keep the long end of the tube lower than the electronic unit as you set up.

3. When you are in position, elevate the end just enough that the water doesn't run out. Open the clamp on the working end of the unit.

4. SLOWLY raise the end of the long tube until the sound just starts and mark on the work surface where the corresponding water level is (see figure 6).

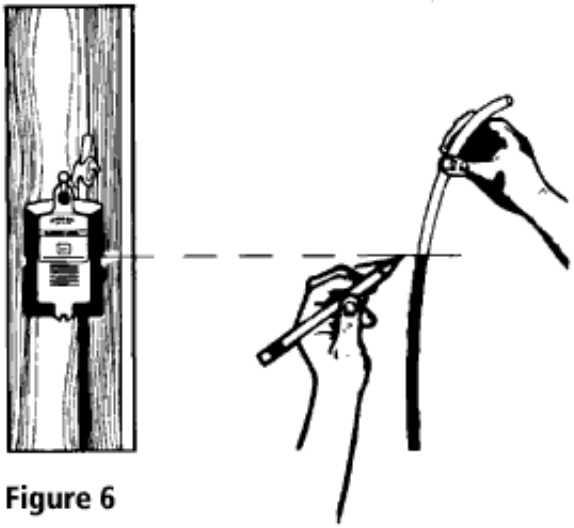

Figure 6

Notes:

If you raise the tube too fast and the level point is passed and the audio indicator sounds, lower the working tube until the tone stops and then SLOWLY raise it again. The longer the working tube, the more time it takes for the water levels to stabilize.

Storing the ElectraLevel™

1. When quitting work for a short time, you can leave the water inside and lock the clamps at each end of the tube and carefully coil the tube.

2. When the job is completed, or for longer storage, drain the water from the long end of the tube to prevent corrosion of the ElectraLevel™ electronics. Store the ElectraLevel™ with clamps open in a dry place.

Cleaning the ElectraLevel™

In some areas, high mineral content in water may cause a coating to form on the inside of the tube. The ElectraLevel's water tube can be cleaned easily to ensure accuracy.

1. Disconnect the longer length of working tube from the ElectraLevel™ at the connector, making sure to remove the connector along with the tube.

2. Wet the tube-cleaning brush (included in the package) with water and insert into the short sensor tube rotating the bristles gently to clean the contacts and rinse.

3. Reattach the working tube and the ElectraLevel™ is ready for use.

Additional tubing is available

Stores that sell this product usually sell (or can order) additional tubing in 25' lengths. The tubing interior diameter is 5/16" and comes with an additional connector barb to allow you to extend your working length.

Helpful hints:

If you have trouble seeing the water level, add a few drops of food coloring to the water, or fill with a colored "sport drink" liquid that has a salt content.

If you have trouble with the water freezing add vodka. Antifreeze is not conductive enough and causes corrosion.