**Specify your tester is factory calibrated.** It is recommended to re-calibrate regularly to maintain the desired accuracy of the unit.

1. **Remove protective cap and rinse sensor area with water.**

2. **Use 475mV standard solution for calibration.**

3. **Dip sensor area into the standard solution and shake the sensor area to remove bubbles and wait for a stable reading.**

4. **Remove the rubber seal tab and use the provided small screwdriver, locate the "Calibration trimmer" at the back of the tester and tune the display to read 475mV.**

5. **Take note not to remove sensor area with water and blot it dry before and after each test.**

6. **Always rinse the sensor area in solution to remove bubbles and leave the unit to stay in solution for at least 15 to 20 minutes for a stable reading.**

7. **Switch off the tester and replace protective cap before storing away.**

**NOTES ON MEASUREMENT**

In the presence of certain radio transmitters, this product may produce erroneous readings. If this occurs then measurements should be repeated at another location.

**APPLICATIONS**

- Oxidation of cyanide and chromatic waste
- Bleaching of pulp
- Manufacture of bleach

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Range</th>
<th>-999 to +999 mV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1 mV</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 10 mV</td>
</tr>
<tr>
<td>Battery</td>
<td>4 x 1.5V button cell (Alkaline A76 or equivalent)</td>
</tr>
<tr>
<td>Battery life</td>
<td>Approx. 200 hours (continuous)</td>
</tr>
<tr>
<td>Auto Shut-off</td>
<td>Approx. 15 minutes</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0° to 50°C</td>
</tr>
<tr>
<td>Size (LxWxH)</td>
<td>170 x 32 x 15mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 70 gm</td>
</tr>
</tbody>
</table>

**PRODUCT LAYOUT**

1. Remove protective cap from bottom

2. Press the ‘ON/OFF’ switch located on top of the tester to switch on. If the unit was automatically shut off, depress twice to switch on.

3. Scoop sample solution in a cup or glass filled up to 2inch or 5cm level.

4. Dip tester into sample solution up to the immersion level.

5. Replace seal tab and rinse sensor area with tap water.

6. Calibration is completed.

**GUIDE TO AQUARIUM CONTROL**

This tester is use to indicate the balance of electrons in the aquarium water. Water with a high Redox potential is of high quality, containing much surplus oxygen and complete mineralized of all organic waste material. With a low Redox potential would in contrast, be slow moving and cloudy, and would contain waste material that is incompletely broken-down. This waste is harmful and causes stress or even death to aquatic life.

- When the battery symbol appears on the display, this indicates a low battery and only 2 hours of continuous use remain. Though the unit may continue to function, the accuracy of the unit will be affected beyond the 2 hours.
- To change batteries, loosen screw from back of unit and pull out the battery case from top of unit (see layout). Replaces all four batteries accordingly and replace screw.
- To improve performance of tester, clean the electrode periodically by rinsing it in 10% HCL for a maximum period of 5 seconds. Rinse sensor area thoroughly in distilled water before proceeding with more tests.
- Note that the unit have a limited life span of about a year. When the unit fails to calibrate or response very slowly, it means that the unit should be replaced. It is not possible to repair broken, defective or expired unit.

**GUIDE TO POOL & SPA MAINTENANCE**

This tester is commonly use to indicate sanitize residual in pool water. It does not measure the sanitized residual itself, but rather the electrical potential present in the water to protect swimmers and bathers. Below is a guide for chlorine sanitizing control:

- pH MUST BE 7.4 TO 7.6 TO OBTAIN AN ACCURATE REDOX READING

**CALIBRATION**

Your tester is factory calibrated. It is recommended to re-calibrate regularly to maintain the desired accuracy of the unit.

1. Remove protective cap and rinse sensor area with water.

2. Use 475mV standard solution for calibration.

3. Dip sensor area into the standard solution and shake the sensor area to remove bubbles and wait for a stable reading.

4. Remove the rubber seal tab and use the provided small screwdriver, locate the “Calibration trimmer” at the back of the tester and tune the display to read 475mV.

5. Replace seal tab and rinse sensor area with tap water.

6. Calibration is completed.

**Other Products**

- **Order Code : 1002**
- **Order Code : ECO pH**
  - Range : 0.0 ~ 14.0 pH
  - pH Pro : 0.00 ~ 14.00pH
  - ECO TDS : 10 ~ 1,990ppm
  - ECO TDS 2 (x100) : 100 ~ 10,000ppm
  - ECO µSIEMEN : 10 ~ 1990µS
  - ECO mSIEMEN : 0.1 ~ 19.9mS
  - WATER PAL : 0 ~ 800ppm
  - PureWaterPAL(ppm) : 0 ~ 99.9ppm
  - PureWaterPAL (µS) : 0 ~ 99.9µS
  - TDS Check : 10 ~ 1990 ppm

- **Horti Care TDS Check**
  - 100 ~ 10000ppm

- **Horti Care EC Check**
  - 0.0 ~ 10.0 EC

- **Horti Care CF Check**
  - 0 ~ 10 CF