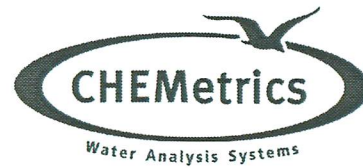


Oxygen 2 SAM

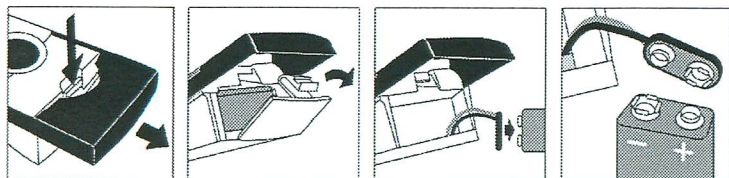
I-2002

**2.0 - 15.0
PPM (mg/Liter)**



Battery Installation

The blue part of the instrument case serves as a battery compartment cover/lock. To install or replace the battery, slide this blue piece up as shown below. This may require use of a screwdriver (at the side joints) as this part fits very tightly. Follow the graphics below to replace the battery.



To Set Zero

1. Press the Power key.
2. The display will show "dO".
3. Insert the ZERO ampoule (supplied in vacu-vials kit) into the sample cell compartment.
4. Place the light shield over the ZERO ampoule.
5. Press the Zero/Test key. The "dO" symbol will flash for approximately 8 seconds, then the display will show "0.0.0".

To Make a Measurement

1. Follow the Test Procedure in the Oxygen 2 Vacu-vials test kit.
2. Insert the resulting Oxygen 2 Vacu-vial ampoule into the sample cell compartment.
3. Place the light shield over the test ampoule.
4. Press the Zero/Test key. The "dO" symbol will flash for approximately 3 seconds, then the sample test results will appear in the display as ppm (mg/Liter).

Operating Tips

- Protect photometer from extreme humidity, corrosive fumes and dusty areas. Store in a cool, dry place.
- Remove the battery when photometer is not in use.
- Photometer must be turned off and back on again for re-zeroing. However, re-zeroing is not necessary when reading a series of samples.
- Press the ! key to turn the display back light on or off.
- Press the Mode key for test results in milli Absorbance units rather than ppm.
- When moving the photometer from one temperature extreme to another, wait at least 10 minutes before use to allow photometer to come to temperature equilibrium.
- Contamination of the optics in the sample chamber will result in incorrect measurements. The windows in the sample chamber should be checked at regular intervals and cleaned as necessary. Use a soft moist cloth or cotton swab for cleaning purposes.

Displays and Troubleshooting

- E01:** Light absorption too great (dirty optics)
- E20/E21:** Too much light reaching detector
- E22 or Battery Icon:** Battery should be replaced
- Hi:** Test result > 16 ppm or excessive turbidity
- Lo:** Test result < 2 ppm

Specifications

- Auto Shut Off:** After 15 minutes of non-use
- Light Source:** 528 nm narrow band light emitting diode
- Operating Temp.:** 5 to 40°C (41 to 104°F)
- Battery:** 9 V battery (approx. 600 test without display light)

Menu Selection

1. Hold the Mode key down and press the On/Off key. Allow the 3 decimal points to appear in the display before releasing the Mode key.
2. Use the ! key to toggle through 2 menu options:
Store = recall stored data
Date & Time = setting the date and time.
3. Press the Mode key to select the menu option that is indicated by the arrow.

Recall of Stored Data

The colorimeter shows the last 16 data sets in the following format:

Sample Number: nXX (XX: 16, 15, 14,1)

Year: XXXX (i.e. 2009)

Date: mm.dd (i.e. 07.31)

Time: hh:mm (i.e. 12:05)

Result: XX or XXX

The Zero/Test key repeats the current data set.

The Mode key scrolls through all stored data.

Quit the menu by pressing the ! Key.

Setting Date and Time

The setting starts with the year (XXXX), then month (XX), then day (XX), then hour (XX), then minutes (XX).

Increase value by pressing the Mode key.

Decrease value by pressing the Zero/Test key.

Proceed to the next setting by pressing the ! key.

After setting the minutes and pressing the ! key, the display will show "IS SET" and return to measurement mode.

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Oct. 09, Rev. 2