

Measurement Procedures

2100P Portable Turbidimeter

Step 1

Collect two water samples in clean, glass sample cells.

Step 2

Hold each sample cell by the black cap and dry with a paper towel.

Step 3

Apply two dots of silicone oil on side of each sample cell.

Step 4

Using velvet side of black cloth, lightly smear oil around entire outside of each cell.

Step 5

Press the Power I/O key to turn the meter on. Be sure the meter remains on a flat, stable surface. Make sure AUTO RNG and SIG AVG are in the bottom of the display. If not, press the range key and the Signal Average keys.

Step 6

Insert one sample cell making sure the bottom point of the triangle (or diamond) on the vial lines up with the raised notch in front of the cell hole.

Step 7

Close the lid.

Step 8

Press the Read key. The zeros in the display will turn to lines (---) and NTU will blink on the right. There will be a steady light bulb in the bottom left of the display.

Step 9

When the light bulb disappears the meter has successfully taken a reading.

Step 10

Record the reading onto field data sheet.

Step 11

Remove the sample cell from the meter and empty the cell contents.

Step 12

Repeat steps 6 through 11 for the second reading.

Step 13

Press the Power I/O key to turn the meter off.

Step 14

Secure meter in the case for transport.



Meter Care...

For each three meter set (pH, dissolved oxygen, and turbidity) the SRCC made an initial investment of \$2,200. Please follow these tips to ensure we have the longest life possible for this equipment:

- DON'T throw or toss meters around either in or out of their cases.
- DON'T leave meters in your car for extended periods of time on hot or cold days.
- DON'T submerge meters in the water.
- DON'T hold a meter by the cord.
- DON'T detach electrode cord from the meter unless you read and understand the relevant manual instructions first.
- DO firmly grasp the meter from the underside when holding.
- DO keep meters in an upright position when storing in their case.
- DO keep cases in an upright position when transporting.
- DO remove the sample vial from the turbidimeter when finished.