

# Optical DO Probe Replacement Cap

(Order Code ODO-CAP)



The Optical DO Replacement Cap is a replacement for the sensing cap on a Vernier Optical DO Probe. The caps are factory calibrated and a calibration code specific to each individual cap is determined during the manufacturing process. Replacement caps are supplied with their calibration codes on a microSD card, which is inserted into the box on the probe.

**Note:** Each cap and microSD card is a unique set.

## Replacement and Calibration Reset Instructions

1. Restore factory default settings:
  - a. Connect the Optical DO Probe to the data-collection interface and start the data-collection program.
  - b. Choose Calibrate from the Experiment menu (*Logger Pro*) or the Sensors menu (LabQuest App).
  - c. Choose Calibration Storage (*Logger Pro*) or Storage (LabQuest App).
  - d. Click or tap Sensor Factory Default.
  - e. Click Done or tap OK.
2. Replace the cap:
  - a. Disconnect the Optical DO Probe from the data-collection interface.
  - b. Remove the screw in the microSD card cover and remove the microSD card (see Figure 1).
  - c. Insert the new microSD card, replace the cover, and screw.
  - d. Unscrew the used cap from the Optical DO Probe and twist on the new cap.

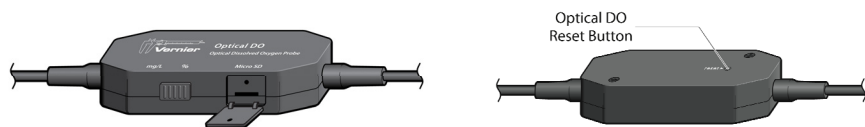


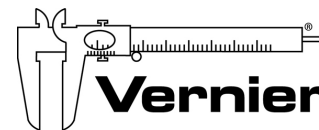
Figure 1 Location of microSD card and reset button

3. Reset the calibration:
  - a. Position the switch to %.
  - b. Connect the Optical DO Probe to the data-collection interface and start the data-collection program.
  - c. Add distilled water to the storage bottle to the top of the sponge.
  - d. Insert the probe into the bottle. The tip of the probe should not be touching the water or the sponge. Keep the probe in this position for a minimum of 60 seconds.
  - e. Use a small paper clip to press down the reset button for three seconds. The reset button is located on the bottom of the box containing the microSD card (see Figure 1).

- f. Release the button. The reading will drop to almost 0%.
- g. Wait for the reading to change to 100%. This may take up to 60 seconds.
- h. Once the reading reaches 100%, wait another 30 seconds for the reset process to complete. **Note:** This waiting time is important for the probe to internally save the reset information.
- i. The probe is now ready to use.

## Warranty

Vernier warrants this product to be free from defects in materials and workmanship for a period of two years from the date of shipment to the customer. This warranty does not cover damage to the product caused by abuse or improper use.



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Rev. 7/22/2014



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