

# HOBO® Pro v2 RH Sensor Replacement Kit (HUM-RHPCB-1)

For use with U23-001

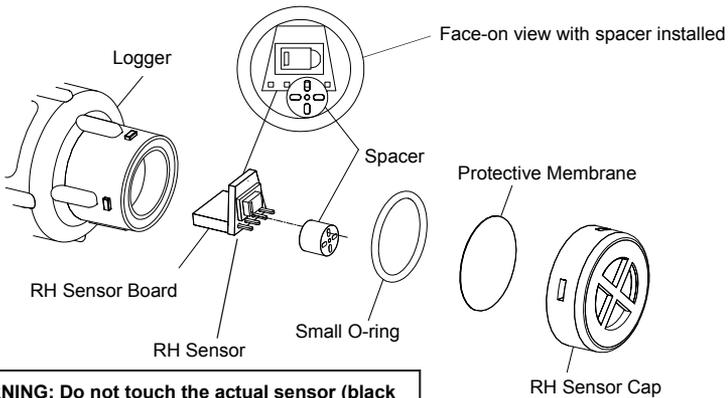
## Contents

- RH sensor board
- Spacer
- Protective membrane
- RH sensor cap
- Small O-ring for sensor cap
- Large O-ring for logger end cap
- Grease packet for large O-ring

## Replacing the RH sensor

The RH sensor is protected by an ASA styrene polymer cap and a modified hydrophobic polyethersulfone fluid barrier membrane that allows vapor to penetrate while protecting the sensor from condensation. RH sensor performance may degrade over time. To replace the RH sensor in your logger, take the following steps:

1. Turn the RH sensor cap counter-clockwise slightly and pull to remove it. Discard the sensor cap, membrane, and O-ring. Clean the sensor end of the logger.



**WARNING: Do not touch the actual sensor (black chip). Doing so may compromise accuracy.**

2. There may be a spacer installed on the RH Sensor Board. Remove and discard the spacer.
3. Note the orientation of the small circuit board containing the RH sensor. With a pair of needle-nose pliers, grip the sensor board pins. Pull out and discard the board.
4. Use needle-nose pliers to hold the pins on the new sensor board, push the board gently but firmly and install it in the same orientation as the old board. Make sure it engages with the pins inside the logger housing. Do not touch the sensor itself; only touch the sides of board.
5. Install the new spacer on the sensor board by placing the spacer onto the third pin from the left (use the topmost hole on the spacer instead of the center hole).
6. Make sure the small sensor O-ring is clean and seated properly, and set the protective membrane on top (either side can face up).
7. Put the sensor cap back on. Push down and turn it slightly clockwise to close it securely. Do not force it. If the cap does not go on easily, the sensor may be installed incorrectly. Check the sensor orientation and try again.
8. Check logger status in HOBOWare® to verify the RH reading.

**Note:** This kit also contains a large O-ring and grease packet if you need to replace the O-ring in the logger end cap (the communications window) when replacing the battery. See the logger manual for instructions on replacing the battery.