HOBO® U23-002 Replacement Cable/Sensor (CABLE-U23-002)

The U23-002 Replacement Cable/Sensor replaces a damaged cable on the U23-002. The replacement cable includes a built-in temperature sensor and an RH sensor.

Contents:

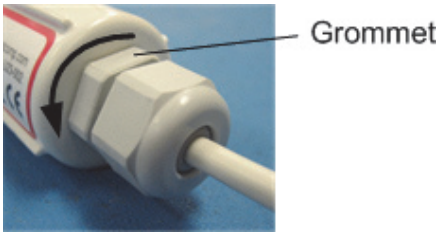
- Cable/Sensor
- Dome Nut/Grommet assembly (installed on cable)
- Cable Tie

Required Equipment:

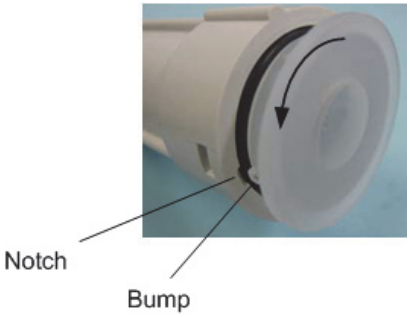
- Adjustable Wrench
- Utility Knife

Removing the Existing Cable/Sensor

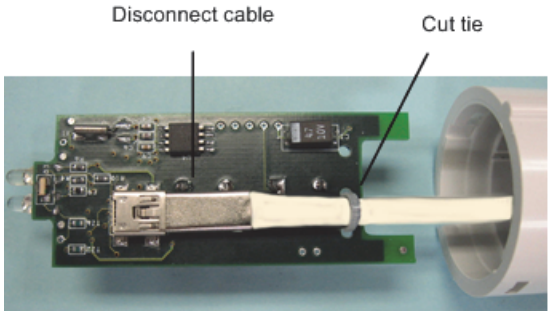
1. Unscrew the grommet from the case and slide the grommet/dome nut assembly down the cable. Use a wrench if necessary.



2. Remove the end cap from the case. Twist the end cap counterclockwise until the bumps on the cap line up with the notch on the case, and then pull the cap off of the case.



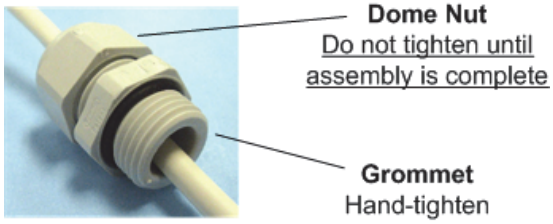
3. Slide the board out of the case.
4. Remove the 3 desiccant packs and inspect them. If they are not bright blue, dry them by leaving them in a warm (≤70°C (158°F), dry location until the bright blue color is restored. If a desiccant pack remains pink and will not turn blue, replace it with a new desiccant pack (Part #: DESICCANT1).
5. Using a utility knife, cut the tie holding the sensor to the board.
6. Disconnect the cable from the jack on the board (pull straight out).



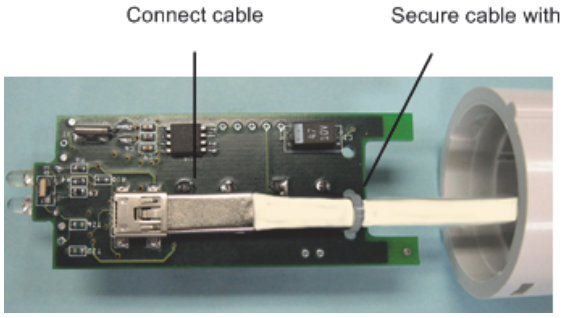
7. Pull the cable out through the case.
8. Discard cable, dome nut, and grommet.

Connecting the New Cable/Sensor

1. Slide the new cable through the case, connector end first.
2. Slide the dome nut/grommet assembly up towards the case and hand-tighten the grommet. Do not tighten the dome nut until assembly is complete to allow for sliding of the cable.



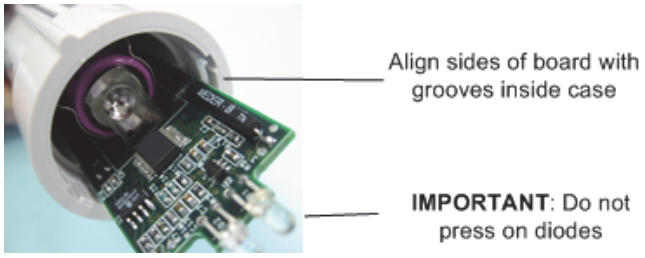
3. Plug the mini-USB connector from the cable into the jack on the bottom of the board.



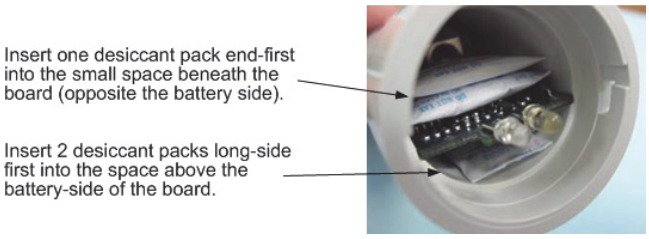
4. Secure the cable to the board using the cable tie (included). Feed the tie through the two holes near the end of the board, with the cable tie's 'buckle' on the battery side of the board. Ensure that cable tie is tight and then trim the end.

5. Slide the board into the case. Align the sides of the board with the grooves on the side of the case. Push the board into the case until the outermost edges of the board are flush with the beginning of the rails. **Gently** pull the cable where it exits the grommet as you insert the board.

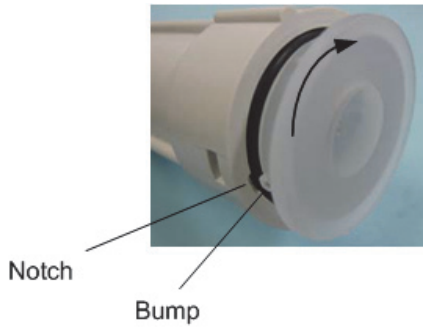
   IMPORTANT: You can press on the end of the board to help guide it into the case, but do not press on the LED and photodiode leads or they may be damaged.



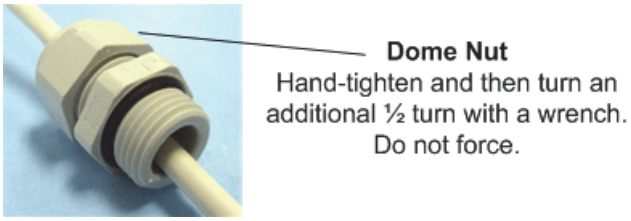
6. Re-insert the 3 desiccant packs.



7. Re-install end cap. Make sure the O-ring on the end cap is still in place. It should not be pinched, twisted, or trapping dirt or lint, which could interfere with the end cap. Line up the two small bumps on the end cap with the two notches at the end of the case and then push end cap in and lock into place by turning clockwise just slightly until bumps prevent further rotation.



8. Tighten dome nut.



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