

# Instructions for Installing HOBOb® RX3000 Water Level Sensor Module (RXMOD-W1)

Test Equipment Depot - 800.517.8431 - 99 Washington Street Melrose, MA 02176 - TestEquipmentDepot.com


## Items Included:

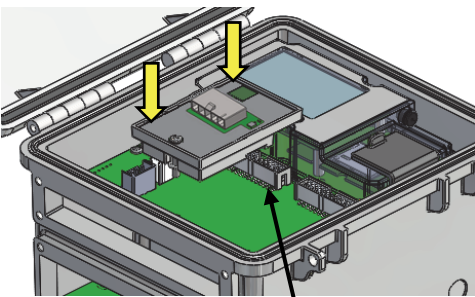
- One rubber cable channel
- Rubber plugs
- Grease packet

## Items Needed:

- Cable (CABLE-RWLMOD-xxx)
- Water level sensor (MX2001-0x-S or MX2001-0x-Ti-S)
- Phillips-head screwdriver

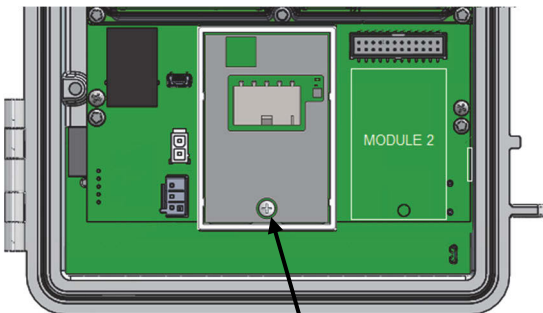
## To Install the Water Level Sensor Module:

1. Stop the station if it is currently logging.
2. Press the Connect button and wait for the station to connect to HOBOblink® and offload the latest data before installing the new module.
3. Make sure the station has the latest firmware installed. In HOBOblink, click Devices, then RX Devices, and then select the station. Click Overview and scroll down to the Device Information section of the page. On the General tab, check the Firmware Version. If this icon  appears next to an "upgrade" link, then click "upgrade." Select the Upgrade on Next Connection checkbox and click Save. Press the Connect button on the station so that the station connects to HOBOblink right away. Wait for the station to disconnect before continuing to the next step. **Note:** If an "upgrade" link does not appear, then your station has the latest firmware.
4. Power down the station by unplugging any charging device and then disconnecting the battery.
5. Insert the connector on the back of the module into the receptacle in the left or right module slot.



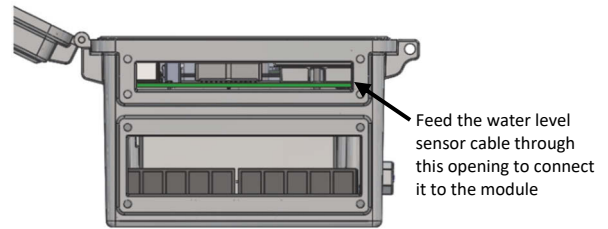
Insert the connector on the module here

6. Using a Phillips-head screwdriver, tighten the screw at the bottom of the module.

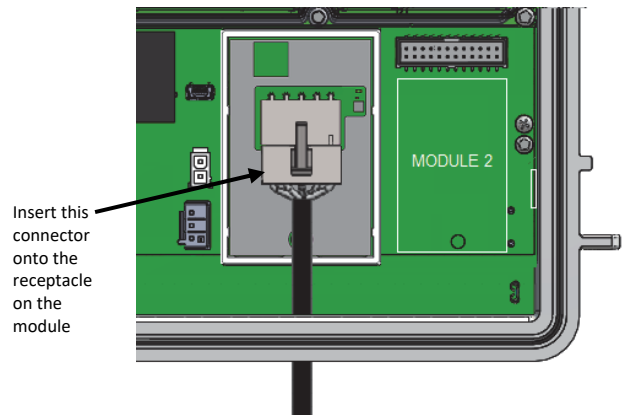


Tighten the screw on the installed module

7. If the top cable channel is installed (the smaller cable channel), remove the cover plate (using the thumbscrews) and the cable channel. Feed the water level sensor cable through the smaller cable access opening shown below.



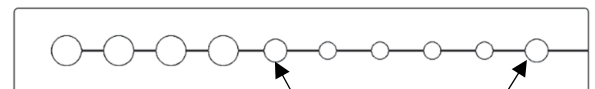
8. Insert the connector at the end of the cable into the receptacle on the module as shown below. The connector will snap into place once installed. Be careful not to push, pull, or twist the cable while installing the connector.



9. Install any other sensors and cables as needed.

10. Install the rubber cable channel into the cable access opening:

- a. Use the included silicone grease to lightly coat all four outer edges and the inside of the rubber cable channel shipped with this module (do not use the small rubber cable channel shipped with the RX3000 station).
- b. Use the grease to lightly coat the portion of the water level sensor cable that will be in the cable channel. Repeat for all other cables.
- c. Position the cable channel around the cables, routing the cables through the proper grooves. Use one of the medium-sized holes shown below for the water level sensor cable.



Use one of these two medium holes for the water level sensor cable

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- d. Close the cable channel and press it into the opening.
  - e. Install the cover plate with loosely installed thumbscrews.
  - f. Lightly coat rubber plugs with a small amount of grease and use them to fill the empty holes. Use one of the rubber plugs included with the water level sensor module to fill the empty medium hole. Use the rubber plugs from the channel kit included with the station to fill any remaining large and small holes. Insert the thin part of the plug into the hole and push it in until the thick part fills the hole.
  - g. Tighten the thumbscrews on the cover plate.
  - h. Repeat these steps with the large cable channel if it is not already installed.

11. Insert the water level sensor cable jack into the water level sensor. Screw on the locking nut (hand tight).



**Important:** Make sure the O-rings on the cable jack end and the sensor mating housing surfaces are clear of any debris. Any contamination of these surfaces can cause leaks that may lead to sensor failure.

12. Plug in the battery and then the charging device and wait for the station to power up. Verify that the new module is listed on the LCD screen.