

RPY pH SENSOR REPLACEMENT INSTRUCTIONS

For all pDS Meter™ Models



NOTE: Please read these instructions thoroughly and carefully — Damage caused by improper installation or mishandling will void the warranties of both the instrument and the new sensor.

CAUTION: Moisture trapped in instrument will cause damage. Careful adherence to the following procedure will significantly reduce the potential for failure due to moisture contamination.

Do Not remove pH sensor except to replace it, permanent damage to seal and/or cable can result.

The glass and plastic bodied sensors have been replaced with a new plastic body utilizing a double O-ring seal. While the instrument is open, we recommend you replace the battery(ies). For clarity, this procedure is broken down into four sections.

Follow each section carefully to avoid damage.

I. Preparing and Opening Instrument Case.

1. Remove pH protective cap from sensor well, shake out fluid, and **dry cell cup and sensor well thoroughly.**
2. If your instrument is wet, dry it thoroughly before proceeding. Ensure hands are clean and dry. Moisture will damage the electronics and void the warranty.
3. Turn instrument over and set on a clean, dry surface.
4. Remove bottom cover.
5. Remove battery(ies), noting position of retainers.
Exercise extreme care not to allow any water to enter the open case.

II. Disconnecting and Removing Old pH Sensor.

1. Locate the gold cable connector at the end of the sensor cable, and disconnect (unscrew) from the circuit board.
2. While holding case firmly, grasp the sensor cable and slowly pull straight out.
CAUTION: Pulling at an angle will break the glass sensor (old style) and damage the cell cup.
Broken glass can be hazardous.
NOTE: If for some reason the sensor will not pull out, it may be necessary to do one or both of the following:
Cut the rubber sealing tube (if so fitted) and try pulling again.
If sensor still cannot be removed, contact the Myron L technical sales department.
3. The rubber sealing tube (if so fitted) should adhere to the sensor when it is removed. If it does not, carefully pull or cut it off of the cell body.

III. Preparing and Installing New pH Sensor.

NOTE: Your replacement RPY may be packaged in either a plastic **Boot** or a plastic **Container**. Identify and follow the correct instructions below.

CAUTION: Both protective boot and container are filled with a concentrated saline storage solution.

1. Plastic **Boot** - A. Remove tape from around new sensor and protective boot. B. Carefully remove protective boot from the new sensor by lightly squeezing top half of boot and a slow twisting pull. Be very careful not to damage the glass bulb or O-ring seals (2).
Plastic **Container** - A. Unscrew cap and discard container. B. Carefully wipe off sensor body. C. Remove and discard cap and large O-ring by sliding off cable end. Insure 2 small O-rings are on RPY body.
2. Before inserting new sensor, moisten the seal lightly with clean water.
3. Grasp the sensor where the cable enters the body and carefully slip sensor into the cell opening until it stops.
4. Reconnect the cable to circuit board. Tighten connector firmly.

IV. Closing Instrument Case

1. Align cable around side of circuit board so it will NOT interfere while installing bottom cover.
2. Reinstall or replace battery(ies).
3. Replace bottom cover.
4. Turn instrument over and fill pH sensor well with Myron L pH Storage Solution. If unavailable, use a pH 4 Buffer or a saturated solution of table salt and tap water.
DO NOT use distilled or DI (deionized) water, either will damage glass bulb and deplete reference solution.
5. Reinstall protective cap on pH sensor well.

Your pDS Meter is now ready for calibration and use. See Operation Manual or Bottom Label for calibration instructions.