



# Technical Bulletin

## WMX101

### Lithium Battery Replacement

**Seametrics Part No. 31126, 2-D Cell Lithium Battery Pack (Before 08/25/2008)**

**Seametrics Part No. 32186, 2-AA Cell Lithium Battery Pack (After 08/25/2008)**

1. Cut security wire, if used, and remove from wiring plug and cross-drilled screw heads. Discard.
2. Remove four top cover screws using 5/32" hex wrench. Be careful to save washers under screw heads.

**IMPORTANT:** If water usage regulation is in effect, only a person authorized by your regulatory agency should break the seal wire, and replace it when finished.

3. Gently pry off the top cover assembly using a blunt screwdriver blade at one of the cover corners, so as not to damage the sealing portion of the gasket. Lift off the top cover, taking care not to overstress the flat cable connecting the internal assemblies.

**CAUTION!** Before removing top cover, take precautions to prevent water or wind-born dust from getting into the display enclosure while the cover is off.

4. Lift battery pack from the foam pad in the battery tray.
5. Note orientation of the foam pad in the battery tray and remove. Set foam aside for later use, keep clean and dry.
6. Gently unplug the battery connector. If there is obvious presence of moisture inside meter, the leakage problem must be remediated before replacing the battery pack.
7. Plug the new battery pack into the connector with the side with the center rib facing up and away from the battery tray.
8. Replace the foam pad in the battery tray and place the battery pack on top of foam pad.
9. Replace the top cover so that the bottom of the display is oriented toward the wiring access plug. Finger-tighten the four hex head cover screws, including washers. Install the two cross-drilled screws toward the access plug for reinstallation of the seal wire.
10. Sequentially tighten the screws in a rotating X pattern, beginning with two diagonally opposite corner screws. Final torque should be 15 ft-lbs.
11. Back off cross-drilled screws up to 90 degrees to align for reinsertion of replacement security wire if required.
12. The used battery pack must be disposed by a **certified hazardous waste disposal facility** per the disposal information below.

**CAUTION!** If the battery pack shows signs of serious corrosion, it must be placed in a high-strength, vented container for immediate disposal due to risk of rupture.

**NOTE:** Memory will not be lost during a battery change.

#### Lithium Thionyl Battery Disposal Information

Proper Shipping Name: Waste Lithium Batteries  
Hazard Classification: Class 9 (Misc.)  
Labels Required: MISCELLANEOUS, HAZARDOUS WASTE

UN Number: 3090  
Packing Group: II  
Waste Disposal Code: D003