



Your lithium battery replacement kit (103971) comes with the following (shown above):

- 1) BATTERY PACK, LITHIUM, 7.2V, 19Ah, 2-D
- 2) DESICCANT (Keep Desiccant Packs in bag until ready to install)
- 3) O-RING (With pre-applied lubricant)
- 4) SECURITY SEAL
- 5) BATTERY REPLACED LABEL

#### Display Power Indicators

A power indicator is displayed in the lower left of the main display window.



When powered by an external source, a power plug will display on any meter originally configured for external power.

When powered by battery (or external power fails), a battery icon will display.

Any base model meter originally configured as battery powered (BX) will only show the battery icon whether running on battery or external power and will always operate with all the battery saving features of a battery powered unit.

OK on the battery icon means battery voltage is above 6.4 volts.



LO on the battery icon means the battery is low and should be replaced soon.



If display reads, '**BATT END**' replace battery immediately.



# Technical Bulletin

## AG3000/iMAG4700/AG90/EX90 Magmeter Lithium Battery Replacement

1. Cut security wire, if used, remove and discard.
2. Unscrew the display lid and remove. Be sure the o-ring seal stays in place. Use a strap wrench to protect the coating or a pipewrench or large pliers.

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

### 3. **AG3000/AG3000r/iMAG4700/iMAG4700r/AG90/EX90 Models Only**

Remove the 3 silver screws holding the display assembly and remove it from the meter. If the display is held in place by white nylon tabs with straight slots rather than screws, simply grasp the finger recess and pop the display up and out of the meter. This exposes the battery pack. Release the velcro strip so the old battery pack can be removed from its tray and gently unplug the battery connector. If there is an obvious presence of moisture inside the meter, this must be remedied before replacing the battery pack.

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

### 3a. **AG3000p/iMAG4700p Models Only**

Release the velcro strip so the old battery pack can be removed from its tray and gently unplug the battery connector. If there is an obvious presence of moisture inside the meter, this must be remedied before replacing the battery pack.

4. Plug the new battery pack into the connector. Be sure to align the rib on the plug with the slot in the connector. If the display was removed (AG3000, AG3000r, iMAG4700, iMAG4700r models only), replace the display assembly and fasten in place.
5. Rethread the lid back onto the housing, taking care not to over tighten the lid but making sure it is screwed all the way down and snug.
6. Replace the security seal.
7. With a permanent marker, write the date you replaced the battery on the 'Battery Replaced' label and place it on the underside of the meter display cover/lid.
8. The used battery pack must be disposed of 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