

Suggested Guidelines for Batteries

This product is powered by a Lithium-Ion rechargeable battery, **initially charged to approximately 40% capacity**. This reserve charge will keep the battery and its protection circuit operational during prolonged storage. However, in order to achieve the maximum battery lifespan, these guidelines should be followed:

- ▶ **Charge the battery to full capacity prior to product deployment.** Refer to instructions in the Battery Charger product manual (www.summitinstruments.com, Documentation/Downloads, Product Manuals, Inertial Measurement Systems, Accessories, Battery Charger). Battery should be stored at approximately 40% charge level, as indicated by a battery output voltage between 14.5 V to 15.5 V.
- ▶ Click 'Battery Monitor' in ICU to check status. Unit may be discharged by turning on, but use of an RF terminator (dummy load) to stop radiation is recommended.
- ▶ Product should be stored at temperatures between 50° F and 75° F (10° C and 25° C).
- ▶ Routinely (at least every year) check the battery charge status. Recharge to 40% as needed. Avoid frequent full discharges.

Consider having Spectrum Sensors & Controls replace the battery with a new one when:

- A noticeable reduction in run time is experienced
- The battery charge time increases significantly
- The battery has been used or maintained for a period longer than 3-4 years (observe IMS manufacture date)

Spectrum Sensors & Controls checks batteries as a part of standard recalibration (recommended yearly).

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