


Application Note:


Battery Charging and Care


-  **Always Perform a Complete Charge Cycle**

The charging cycle consists of three stages: (1) attaching the flowmeter to the SWT provided power charger, (2) push button LED begins to blink indicating charging, and (3) flowmeter charge cycle completes and LED light turns off.


To maintain the capacity and charge of your battery ALWAYS allow the charge cycle to complete (i.e., the LED light turns off when complete). This will assure your battery gets a full charge (ready for your next use), and will maintain the capacity of your battery.

CAUTION! Ending charge cycles prematurely may reduce the capacity of your battery, and may not sufficiently charge your battery.
-  **Store Battery in Cool Dry Location**

Always store your flowmeter (and battery) in a cool, dry location. Excessive temperature may cause damage to the battery.
-  **Store Your Battery on Full Charge**

Always store your flowmeter (and battery) with a full charge. This will maximize the life and capacity of your battery. Even when stored for long periods of time, periodically charge your battery to maintain its life and capacity. We recommend to charge your battery at least every four months.
-  **Periodically Charge Your Battery (even during storage)**

All types of rechargeable batteries self-discharge. Allowing a battery to self-discharge for extended periods of time (6+ months) will reduce its charge to extremely low levels and will damage the battery.

Keep your battery charged. Even when stored, charge your battery at least every four months - to avoid excessive self-discharge and damage.
-  **Avoid High Temperature**

Pay attention to the rated temperature of your flowmeter. DO NOT use the flowmeter where the pipe, fluid, or ambient temperature may exceed the specified rating. Exceeding the temperature specification will damage the flowmeter and battery.