

SIDEPAK™ AM520 PERSONAL AEROSOL MONITOR

LITHIUM BATTERY USAGE

Getting Started

- ❖ A brand new battery may have been shipped in an inactivated state to maximize shelf life. New batteries may need to be charged to activate them before first use.
- ❖ The Smart Battery Management System requires a few charge/discharge cycles to learn the capacity of a new pack to accurately display the “run time” feature.
- ❖ The Smart Battery Management System will learn pack capacity more quickly if the pack is fully charged and then fully discharged. But, there is no need to fully discharge the battery to prevent “memory” effects.
- ❖ When charging the battery, the green LED in the battery pack will repeatedly flash from dim to bright. When the battery is fully charged, the LED will stay on until the AC adapter is unplugged.
- ❖ If the temperature is too hot or cold to charge the battery, the LED will flash 3 for seconds on, then 1 second off.
- ❖ If the battery has an internal fault that prevents charging, the LED will flash rapidly.



Storage of Lithium Battery Packs between Uses

- ❖ The battery will suffer irreparable damage if it is allowed to remain in a discharged state.
- ❖ The battery must be recharged after each use.
- ❖ The battery must be recharged at least every 6 months when not being used.
- ❖ The battery should be removed from the instrument if the instrument will not be used for an extended time. This eliminates a parasitic power drain on the battery from the instrument when the instrument is turned off.
- ❖ The rechargeable battery will last longer if it is stored in a cool place. Hot temperatures over long periods of time (several months) will increase cell internal self-discharge and eventually degrade the battery capacity.
- ❖ For intrinsically safe models (AM520i) the battery must only be changed or charged in an area known to be nonhazardous.

