



# Orion<sup>®</sup> Vehicle Charger Instructions

## To Charge the Orion NiMH Battery Pack using the Orion Vehicle Charger (P/N 10034276):

- Charge the Orion NiMH battery packs by using the Vehicle Charger supplied with the instrument.

### ▲ CAUTION

**Use of any charger, other than the Orion Charger supplied with the instrument, may damage or improperly charge the batteries.**

- Prior to charging, the Orion Detector must be turned OFF, or the battery pack must be removed from the instrument.
- The charger is capable of charging a completely depleted pack in few hours in normal, room-temperature environments.

NOTE: Allow very cold battery packs to stabilize for 1/2-hour at room temperature before attempting to charge.

- Connect the input cable assembly to:
  - the automobile cigarette lighter socket and
  - the input to the charger assembly.
- Connect battery pack to the charger cable or to the Vehicle Charger Assembly with Cradle (P/N 10073667).
- Once battery pack is charged, it:
  - can be disconnected from the charger
  - is ready for immediate use.

- Normal operating temperature range is between 0°C and 40 °C.

**Table 1. Charger Status Indicated by LED Color**

| LED COLOR | CHARGER STATUS   |
|-----------|--|
| Amber     | Charge is pending or in fault  |
|           | Battery pack temperature is outside normal charging temperature range or an interconnect failure occurred  |
|           | LED remains amber until pack is ready to be charged  |
|           | Allow pack to stabilize to within its operating temperature range. If status continues, battery pack failure or an internal circuit failure occurred |
|           | LED remains amber until pack is ready to be charged  |
| Red       | Charging is in process   |
| Green     | Charging complete; pack is ready for use   |
| LED OFF   | No power applied, blown fuse, or a thermal shutdown occurred where charger temperature is outside normal operating temperature                       |
|           | Allow pack to stabilize to within its operating temperature range  |