



SCORPION® 2 Smart Charger



The **SCORPION® 2 Smart Charger** is used to charge the SCORPION® 2 Data Logger Battery. It also acts as a user interface displaying vital information about Memory Available (hr:min), Battery Available (hr:min), Battery Internal Temperature, and Battery Health.

A microprocessor controlled smart circuit is used to analyze the battery capacity and temperature to determine the correct charging current required to bring the battery to full capacity as fast as possible. The smart circuit can bring a severely discharged battery to full capacity in 1.5 hours. It also provides over temperature protection by monitoring the internal battery temperature and suspending charging for 30 minutes if the maximum temperature exceeds 50°C (122°F).

Technical Summary:

- Fast Charge: 1.5hrs
- Microprocessor Smart Circuit
- 3-State Charge:
 - Pre Charge – Initializes a severely discharged battery
 - Fast Charge – High current fast charge
 - Maintenance Charge – Keeps charged batteries fully charged
- Over Temp Protection
- LCD Display:
 - Logger Serial Number
 - Battery:
 - % Charged
 - Charging Status – Pre Charge/Fast Charge/Fully Charged
 - (hr:min) Available – specific to attached SMART SENSOR
 - Internal Temperature
 - % Health – Indicates the maximum capacity of a fully charged battery so there is no question as to when a battery should be replaced
- Memory:
 - (hr:min) Available – Based on the selected Scan Rate and amount of memory already used
- Lightweight extruded aluminum case



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