



# SCORPION® 2 LITE Data Logger



The **SCORPION® 2 LITE Temperature Data Logger** is intended for the customer who wants to measure temperature only. Designed as a low-cost alternative to the full featured SCORPION® 2 Data Logger, it is compatible with all temperature measurement devices, i.e. Temperature Interface, Product Probe Interface, Temperature Sensor Arrays, Product Probes and Bare Wire Thermocouples. The SCORPION® 2 LITE Data Logger functions exactly like the SCORPION® 2 Data Logger when connected to these devices. All connections, charging, user interface and software are identical to the SCORPION® 2 Data Logger.

The SCORPION® 2 LITE Data Logger contains an onboard **User Interface** which enables data collection without the need of a computer on the factory floor. Immediately upon connecting a Smart Sensor, a communication link is established between the data logger and sensor and a self-test is initiated. The result of this test is indicated by a **Ready Light**, allowing the user to confidently proceed with data collection knowing that all data logger and sensor parameters are within operational limits. Pressing the **Test** button displays the **Memory** and **Battery** capacity, cautioning the user as the minimum amount of time remaining drops below two hours. The **Test** button is also used to select a **Scan Rate** of 0.1, 0.5, 1, 2, or 4 seconds.

## Technical Summary\*:

- Input Channels: 32
- Thermocouple Input Type: Type T
  - Type J & K optional for product probe inputs
  - Input Temperature Range: -260°C - 1378°C (-436°F - 2513°F)
- Output Channels:
  - Regulated 3.3V output for SMART SENSOR Memory
- Sensor Interface: 32-pin D-Sub connectors
- Scan Interval: 0.1sec, 0.5sec, 1.0sec, 2.0sec, 4.0sec
- Memory Type: Non-volatile FLASH
- Memory Capacity (max):
  - Up to 100min @ 0.1sec scan rate
  - Up to 8hrs @ 0.5sec scan rate
  - Up to 17hrs @ 1sec scan rate
  - Up to 35hrs @ 2sec scan rate
  - Up to 70hrs @ 4sec scan rate
- Time Tracking: Onboard Real Time Clock – Time / Date
- Resolution: 0.025°C (0.045°F)
- Accuracy: ±1.0°C (±1.8°F)
- Battery Running Time: 50+ hrs.
- Battery: 7.2V, 2200mAh
- PC Communication Link: USB 2.0
- Rugged Stainless-steel enclosure

*\*Not rated for condensing environments*

**The SCORPION® 2 LITE Data Logger is upgradable to the full featured SCORPION® 2 Data Logger**



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