Mobile Temperature Logging System

Overview

Scanning Devices provides a complete solution for mobile temperature logging that makes it easy to read and write to Thermochron iButtons in even the most remote field locations.

Four components make up the system; (1) Windows Mobile bluetooth enabled handheld, (2) Scanning Devices' Thermochron Application Software, (3) Scanning Devices iConnection device and (4) Thermochron iButton temperature loggers.

The Thermochron Application Software is loaded onto a Windows compatible computer and synchronized to the handheld device. With the handheld's bluetooth connection enabled, a user can read and write to any Thermochron iButton via the Scanning Devices iConnection device.

Scanning Devices, Inc. is an authorized distributor of Thermochron iButtons for Maxim Dallas Semiconductor.

Features/Capabilities

- Establish and edit Mission data, Read data from a Thermochron iButton, write to a Thermochron ibutton, graph and review data collected from each iButton.
- Identify each different temperature logging iButton mission with a unique name and number
- Set high and low temperature alarm limits for quick identification of "out of range" temperatures
- Define the time between temperature samples
- Delay the start of temperature sampling in minutes, or set a specific future date and time of your preference
- Start and stop iButtons as needed to preserve battery life
- Set iButton and iConnection preferences

iConnection Device – Features

Powered by rechargeable lithium ion battery

- Provides 2 hours of talk time between handheld and iConnection
- Auto-shutoff feature conserves battery power for when you need it most, customize to 1, 2, 4 or 8 min.
- Re-chargeable using wall outlet or optional auto charger

Connections

- Bluetooth connection to Windows Mobile handheld device using Serial Port Profile (SPP)
- Wired connection to Thermochron iButton (RJ11 connector to ibutton probe)

Physical Characteristics

- 4.25' x 3.0' x 1.0'
- .24 lbs
- Belt clip attachment

Thermochron Application Software

- Runs on Windows compatible PCs
  - not compatible with Windows Vista 64
- Compatible with Windows Mobile Handheld Devices
- Requires Microsoft ActiveSync (or equiv.)