SUBMERSIBLE HIGH TEMPERATURE DATA LOGGER
SL950 - IN-PROCESS LOGGING

SELF POWERED

FULLY SUBMERSIBLE

**COMPACT AND ROBUST**

TEN YEAR BATTERY LIFE

HOLDS OVER 500 DAYS OF DATA

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INTRODUCTION

The SL950 High Temperature data logger is a robust and compact, self contained and fully submersible logger that can, for instance, be placed inside a sample product in a production facility, travelling through the process, measuring and recording accurately changes in temperature.

In it's Stainless Steel or Anodised Aluminium casing the logger is ideal for recording in-process temperature changes within containers of cooked food products, washing or sterilising processes etc.
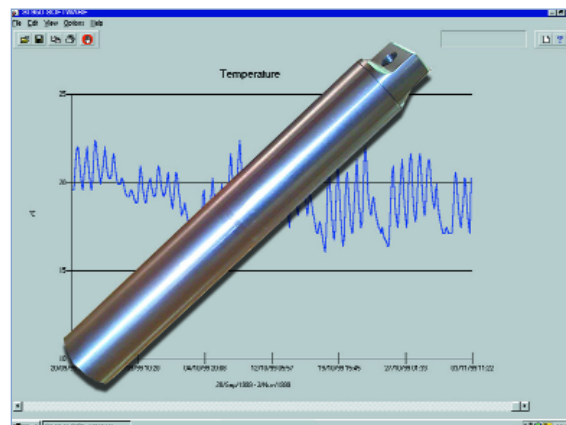

FAST AND EASY SET UP

The SL950 software comes complete with intuitive menus for Sample Rate, Start Delay, Settable ID and more, so set-up is fast and easy. Real-time readings are displayed allowing you to ensure that your logger's set-up is correct before placing it in the application.

PC TO SL950 COMMUNICATION

An IC-101 Interface Cable Connection is all that is required to set-up, download or view real-time information from a SL950 Data Logger. Connection is simple. Plug the IC-101 connector into your PC's serial port and the stereo cable into the logger. The IC-101 cable is included with the Logger Interface Package.

PRESENTATION QUALITY REPORTS AND GRAPHS

Included is an easy to use data analysis program for the SL950 Logger. To backup the Logger's stored data or view the temperature in real-time, plug it directly into your 9 pin serial port. The software automatically displays the logged temperature readings in a graphical format, as well as the current, real-time reading. If you prefer to use Excel, Lotus or other popular spreadsheet programs, data can be exported into several ASCII formats.
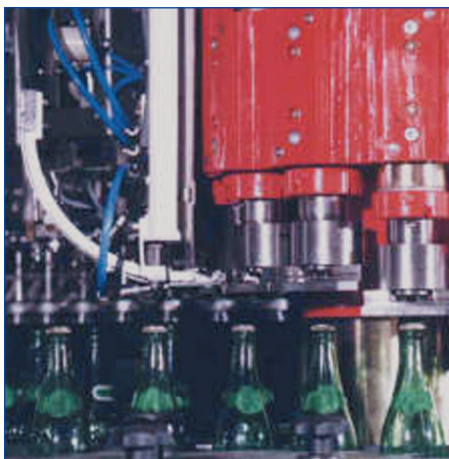
ORDER CODE

Code	Description
SL950AL	High Temperature Aluminium Case
SL950SS	High Temperature Stainless Case
SL950-SOFT	Software and 1C-101

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Data Logging Solutions

TECHNICAL SPECIFICATIONS

Operating Limits	+10°C to +135°C and waterproof
Operating Pressure Range	0 to 2000 PSI
Clock Accuracy	±2 seconds per day
Battery	3.6 volt Lithium, 0.95 Amp-Hour
Power Consumption	5 to 10 microamps (continuous)
Battery Life	3 year warranty (under normal use)
	Factory replaceable
Mounting	Locking hole on cap
Memory Size	32 K (244800 date points)
Sampling Methods	1. Continuous (First-in, First-out)
	2. Stop when full (Fill-then-stop)
	3. Delayed start
Sampling Rates	8 seconds to 34 minute intervals.
	Readings Stored to memory can be spot or averaged over the sample interval (except for the 8 second interval)
Resolution	8 bit (1 part in 256)
PC Requirements	IBM PC or 100% compatible running MS Windows 3.1, '95, '98, or NT, with at least 2 MB RAM, 2 MB of hard drive disk space and one free serial port.

MECHANICAL DETAILS
(dimensions in mm)

127

18
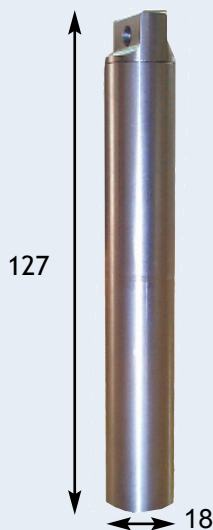
Case Material
Anodized aluminium
or stainless steel.

Weight (aluminium case)
51 grams.

Weight (stainless steel case)
112 grams.