

# SL130T

## High Temperature Data Loggers

**VALIDATE AUTOCLAVES AND WASHERS TO PDA MONOGRAPH AND ISO STANDARDS**



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The SL130T is a single channel temperature data logger designed to record temperatures in environments up to 140°C (time-limited above 85°C).

It is manufactured from PTFE\* material which is impervious to most common chemicals and is ideal for use in areas of food production. A stainless steel sensor, which is protected by the enclosure design, protrudes from the outside of the case to ensure a quick response.

Readings are stored to the internal memory which are subsequently downloaded via an Infra Red communications link to a PC computer running TempIT software (see pages 2/3).

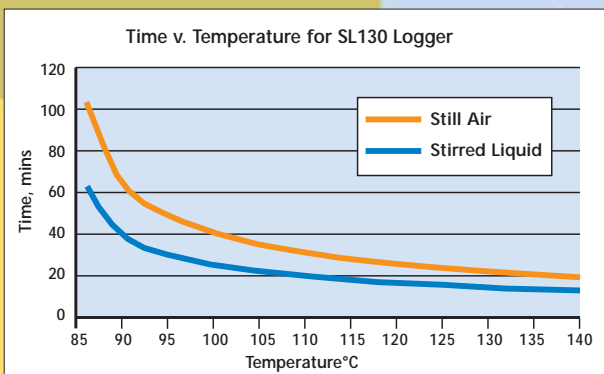
\* Environmental: PTFE is unaffected by use in outdoor applications, and by ultra-violet light, weak acids >pH3, strong acids <pH3, strong alkalis <pH11, chlorinated hydrocarbons, and hot water.

### Specification

Temperature Range	-30 to +140°C
Sensor	Internal Thermistor
Accuracy	± 0.4 °C ± resolution
Resolution	12-bit < 0.06 °C
Logging Interval	2 sec - 24 hours
Max. number of readings	8,192
Response time (63%)	4 Seconds in a stirred liquid bath, 30 seconds in still air
Programmable alarm points	High and Low alarms with programmable trigger period
Alarm Indication	On Trace
Owner Manifest	64 characters
User Manifest	450 characters
Protection	IP68 with encapsulated electronics
Enclosure material	Robust PTFE construction *
Communications	IR link to reader

### Features

- Washer-disinfecter validation
- Autoclave validation
- Waterproof to IP68
- PTFE construction
- Fast response



### Order Codes

SL130T	Data Logger
SL120R-232	IR reader RS232 Interface
SL120R-USB	IR reader USB Interface
TempIT-Lite	Operating Software (free from Internet site)
TempIT-Pro	Operating Software with Data Table and MKT calculation