SL151T

Robust Temperature Data Logger

Signatrol.com
Data Logging Solutions
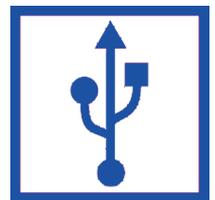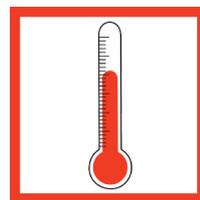
- Temperature Data Logger
- Totally Sealed And Crevice Free
- Food Grade ABS Construction
- 4 Years Battery Life
- Visual Alarm Indication

FDA / EN

4yrs

SL151T

Robust Temperature Data Logger

The SL151T data loggers are single channel, temperature data logggers that record the time, date and precise temperature for later retrieval and analysis.

The data loggers are used in food, pharmaceutical, building management and other industries for temperature monitoring. Typical applications include food safety, where vulnerable or high value products are sensitive to incorrect environmental conditions, which in turn could cause irreparable damage to goods that might not be obvious on receipt.

The data logger is sealed in a crevice free and robust plastic tag with no 'bug traps' connections or entries of any kind.

The tag can be conveniently located in a packing case, on a pallet or attached directly to the product. This data logger series is particularly suited for cold chain applications to meet EN12830 for the monitoring of food produce in storage and transportation.

The SL151T has a user manifest containing all the details of the application. This could be the name of the area being monitored, the vehicle registration number, the batch number or just a description of the application. The user manifest, together with alarm thresholds, are simply downloaded to the data logger by a wireless interface. The same reader retrieves the stored readings which are transferred to a suitable PC or laptop where the flexible TempIT software displays all the information in an easy to read graph, showing clearly if the consignment has been subjected to alarm conditions. The readings are stored in a form that cannot subsequently be altered or manipulated whilst the data logger also records who has read the inform ation thereby ensuring their integrity.

The SL151T incorporates a magnetic swipe start function. The data logger can be configured ready to log but left in a dormant state until a magnet is swiped down the side of the data logger.

Signatrol offer an unconditional warranty on the SL151T. So confident are we in the robustness of this product the we guarantee it for 12 months against failure, and we will replace any unit that does fail within this period, regardless of cause!

Specifications

Power	Internal Battery
Battery Life	Typically 4 years at 20°C
Temperature Range	-30°C to +60°C
Accuracy	±0.5°C from -30°C to +60°C
Resolution	0.02°C 12 Bit Resolution
Number of Readings	24,576
Response Time	T63: 3m 21s (in liquid) T90: 6m 55s (in liquid) T63: 6m 30s (in air)
IP Rating	IP68
Sample Rate	30 seconds to 7 days
Delayed Start	Yes
Software Alarms	Yes with visual indication
Material	Food Grade ABS
Warranty	1 Year - Unconditional
Dimensions	117mm (L) x 57mm (W) x 10mm (H)
Weight	50g Approximately
Time To Download Data	2 Minutes 8 seconds (24,576 Rdgs)
Certifications	FDA 21 CFR Part 11 EN12830

Order Codes

Part Number	Description
SL151T	Robust Temperature Data Logger
SL151-KIT-USB-5	Starter kit comprising of 5 SL151T data loggers, the USB interface and TempIT-Pro software
SL150R	USB Communication Interface
TEMPIT-PRO-4	Enhanced Software

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