

SINGLE CHANNEL TEMPERATURE DATA LOGGER

Magnetic Fixing

SL51M MINI TAG

Sample Rates from 1 minute to 255 minutes

Monitor from -20°C to +50°C

www.signatrol.com

Self Contained Temperature Data Logger

Low Cost

TempIT Compliant

INTRODUCTION

The SL51M is a self contained single channel temperature data logger with the ability to record over 2000 data points. The SL51M operates in a temperature range of -20°C to 50°C. The SL51M are coloured bright yellow for easy identification and retrieval and can be fixed in place by either using the internal magnet or by using a security tie through the mounting hole provided.

The SL50R Reader interfaces to the RS232 / USB communication port of a PC and is totally compatible with the TempIT-lite operating software. TempIT enables the logger to be set up and the data read and displayed in graphical format. Data can be stored and retrieved at a later time. The software can be up-graded to TempIT-Pro which provides various additional features such as Data table, email graphs, snap to trace, and automated MKT Calculations etc.



SPECIFICATIONS

Description	SL51M
Sensor - Internal Temperature Sensor	-40°C to +85°C
Sensor Accuracy	±1°C
Battery Life	10 Years or 1 million samples*1
Sample Rates (User Selectable)	1 to 255 Minutes
Memory Size	2048 Readings
Battery	3.0V Lithium: Non Replaceable
Resolution	8 Bit (0.5°C)
Response Time	Typically 6 seconds in liquid
Size	17mm Diameter x 6mm Height
Case Material	305 Stainless Steel - Holder xxx
Weight	30 grams
Sealing	Water Resistant - Splash Proof
Communication	RS232 Serial or USB
Clock Accuracy	±2 Minutes per Month
Sampling Methods	Continuous (First in First Out) or Stop When Full*2
Alarms	High and Low
Start Delay	Up to 45 days, 1 Minute Resolution
Start on Alarm	No
Owner Manifest Data	Up to 32 Characters
User Manifest Data	Up to 64 Characters

*Notes:

1. With ambient temperature less than 50°C

Computer Requirements

IBM PC or 100% compatible Pentium 75 (minimum) with at least one free serial port or USB interface, 16 MB of RAM memory, colour monitor & pointing device and SL50R Reader running Windows® versions 98, 2000, ME, NT & XP.

Software Requirements

TempIT-Lite (free from Signatrol website: www.signatrol.com) or TempIT-Pro

ORDER CODE

SL51M	Low Cost Data Logging button -20°C to +50°C
SL50R-232	Button Interface with RS232 cable
SL50R-USB	Button Interface with USB cable

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