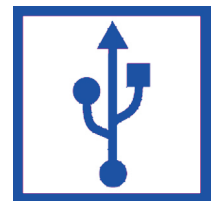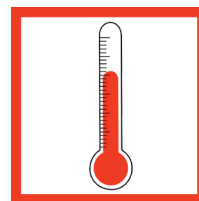# SL52USB

USB Temperature Data Logger

- -10°C to +85°C Measuring Range
- ±0.5°C Accuracy
- 2 Year Battery Life @ 20°C
- Simple Plug And Play Operation
- Up to 8,000 Readings

FDA / EN

2yrs

SL52USB
USB Temperature Data Logger

Self contained, battery powered, USB data loggers. The SL52USB is a single channel temperature data logger that plug directly into the USB port of the computer for configuration and data download, removing the need for any additional cables or interfaces.

Once configured, the SL52USB is then removed from the USB slot and placed where monitoring is required.

When the monitoring is complete, the data logger is placed back in the USB slot for data retrieval. The SL52USB data loggers have the ability to record up to 8,000 data points and have a measuring temperature range of -10°C to +85°C and 0 to 95%RH.

All USB data loggers are fully compatible with our user friendly software - TempIT.

TempIT-Lite is free of charge and allows the data logger to be configured and the data read and displayed in graphical format. Graphs can be stored, printed or retrieved at a later time.

TempIT-Lite can be up-graded to TempIT-Pro which provides various additional features such as data table view, export data to spreadsheet, the ability to add comments to grpahs, F0 and A0 calculations, and automated mean kinetic temperature (MKT) calculations etc.

All versions of TempIT are supplied with with our calibration manager. TempIT will automatically warn the operator when the calibration for the data logger is due.

The SL52USB-A is identical in operation to the SL52USB but is supplied with a UKAS calibration certificate.

Applications

Monitoring Goods In Transit

Warehouse Mapping

Environmental Monitoring

Specifications

Power	Internal Battery
Battery Life	Typically 2 years at 20°C. Detailed battery life calculator is available on the Signatrol website
Temperature Range	-10°C to +85°C Measuring 0°C to +70°C Communicating
Accuracy	±0.5°C from -10°C to +65°C
Resolution	Low res mode - 0.5°C Hi res mode - 0.07°C
Number of Readings	8192 low res mode 4096 high res mode
IP Rating	IP20 - 0 to 95%RH Non Condensing
Sample Rate	1 second to 24 hours
Delayed Start	Yes
Software Alarms	Yes
Material	ABS
Warranty	1 Year
Dimensions	70mm (L) x 25mm (W) x 17mm (H)
Certifications	FDA 21 CFR Part 11 EN12830

Order Codes

Part Number	Description
SL52USB	USB Data Logger
SL52USB-A	USB Data Logger Supplied With UKAS Traceable Calibration Certificate
TEMPIT-PRO-4	Enhanced Software

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