

# Product data sheet

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## USB TEMPERATURE DATA LOGGER

This standalone data logger measures and stores up to 16,382 temperature readings over a -35 to +80°C (-31 to +176°F) range.

The user can easily set up the logging rate and start-time, and download the stored data by plugging the data logger into a PC's

USB port and running the purpose designed software under Windows 10, 8, 7, 2000, XP and Vista (32-bit).

Data can then be graphed, printed and exported to other applications. The data logger is supplied complete with a long-life lithium battery which can typically allow logging for 1 year. Correct functioning of the unit is indicated by flashing red, green and orange LEDs. The data logger is protected against moisture to IP67 standard when the protective cap is fitted.

This data logger can also be used in conjunction with our handheld programmer and data collector (product ref: 38/760/0) which allows the user to configure their unit, download data and view logging results on-the-spot rather than removing the logger from the environment being measured to take to the PC.



### Product features:

- Measuring range: -35 to +80°C (-31 to +176°F)
- USB interface for set-up and data download
- User-programmable alarm thresholds
- Status indication via red, green and orange LEDs
- Supplied with replaceable internal lithium battery and Windows control software
- Environmental protection to IP67

	Minimum	Typical	Maximum
Temperature measurement range	-35°C/-31°F	-	+80°C/+176°F
Internal resolution	-	0.5°C/1°F	-
Accuracy (overall error)	-	+/-1°C/2°F	-
Logging rate	every 10 seconds	-	every 12 hours
Operating temperature range	-35°C/-31°F	-	+80°C/+176°F
½ AA 3.6V Lithium battery life	1pc per year (fitted)		

\* At 25°C and 1 m logging rate



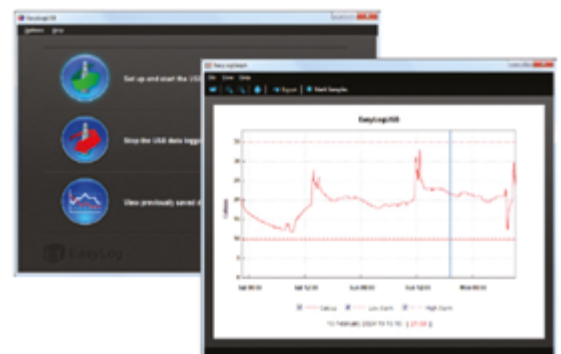
### Control software

The EasyLog USB control software is supplied free of charge with each data logger. Easy to install and use, the control software runs under Windows 10, 8, 7, 2000, XP and Vista. The software is used to set-up the data logger as well as download, graph and export data to Excel.

The software allows the following parameters to be configured:

- Logger name (up to 16 characters)
- °C or °F
- Logging Rate (10s, 1m, 5m, 30m, 1hr, 6hr, 12hr)
- High and low alarm levels
- Start date and time

See Brannan website to download latest version of the control software.



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## LED flashing modes

This data logger features 2 LEDs:

- The first LED flashes green to red to indicate alarm level status
- The second LED flashes orange to indicate a problem with the data logger.

The unit will flash red when the logged temperature has exceeded a Low or High alarm level. Hold is disabled by default. In this mode the red LED will no longer continue to flash after the logged temperature has returned to normal from an alarm condition. Hold can be turned on via the control software. In this mode the red LED that indicates an alarm condition will continue to flash, even after the logged temperature has returned to normal. The red LED will effectively have latched into its alarm condition. This feature ensures that the user is notified that an alarm level has been exceeded, without the need to download the data from the logger.

		<b>Green double flash</b> The data logger is not currently logging, but is primed to start at a later date and time (delayed start).
		<b>Green single flash</b> The data logger is currently logging. No alarm.
		<b>Green and Orange single flash</b> The data logger is full and has stopped logging. No alarm.
		<b>Red single flash</b> The data logger is currently logging. Low alarm.
		<b>Red and Orange single flash</b> The data logger is full and has stopped logging. Low alarm.
		<b>Red double flash</b> The data logger is currently logging. High alarm.
		<b>Red and Orange single flash</b> The data logger is full and has stopped logging. High alarm.
		<b>Orange single flash</b> The battery is running low as its voltage has dropped below 3.3V. Data logging will continue until the battery voltage drops below 2.8V.
		<b>No LED flash</b> The data logger has stopped, the battery is empty or there is no battery.

## Battery replacement


We recommend that you replace the battery every 12 months, or prior to logging critical data. This data logger does not lose its stored readings when the battery is discharged or when the battery is replaced, however, the data logging process will be stopped and cannot be re-started until the battery has been replaced and the logged data has been downloaded to a PC. Only use 3.6V 1/2AA lithium battery. Check with your supplier that the battery you are ordering is 'press fit' and is not fitted with solder tags. Before replacing battery, remove the data logger from your PC.

Note: Leaving the data logger plugged into the USB port for longer than necessary will cause some of the battery capacity to be lost.

**WARNING** - Handle lithium batteries carefully, observe warnings on battery casing.  
Dispose of in accordance with local regulations.

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## Dimensions & weights:

**Product dimensions:** Net: 26.8mm x 98mm  
Gross: 100mm x 140mm x 40mm

**Product weights:** Net: 39g (incl. battery)  
Box & Instructions (paper): 36g  
Insert tray (plastic): 15g  
Gross: 89g

**CE/ROHS/WEEE:** Compliant  
**Hazard information (SDS):** See [brannan.co.uk](http://brannan.co.uk) for information

Description	Barcode	Product no
USB temperature data logger	5 011405 387516	38/751/0



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the website

