

# Product data sheet

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## STAINLESS STEEL TEMPERATURE LOGGER

This standalone data logger measures and stores up to 32,510 temperature readings over a -40 to +125°C (-40 to +257°F) measurement range. The stainless steel 316 assembly provides protection from corrosion, impact and water ingress to IP67/NEMA 4X.

The unit is powered by a 2/3AA 3.6V lithium battery with allows logging for up to 3 years.

Setup and downloading is completed 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.

### Product Features:

- Measuring range: · -40 to +125°C (-40 to +257°F)
- Stainless steel (316 grade) case
- Environmental protection to IP67
- USB interface for set-up and data download
- Immediate and delayed start logging
- Supplied with replaceable high capacity lithium battery and Windows control software

	Minimum	Typical	Maximum
Temperature Measurement Range	-40°C/-40°F	-	+125°C/+257°F
Internal Resolution	-	0.1°C	-
Accuracy (overall error)	-	+/-0.2°C/0.4°F*	+/-1.6°C/2.9°F
Logging Rate	every 1 second	-	every 12 hours
Operating Temperature Range	-40°C/-40°F	-	+125°C/+257°F
½ AA 3.6V Lithium Battery Life	1pc**	2***	3

\* Between 0°C and 40°C - see graph on page 2

\*\* 10 seconds logging rate @ 20°C

\*\*\* 10 seconds logging rate @ 80°C

### 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)
- Data rollover (allows unlimited logging periods by overwriting the oldest data when the memory is full)
- Start date and time

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



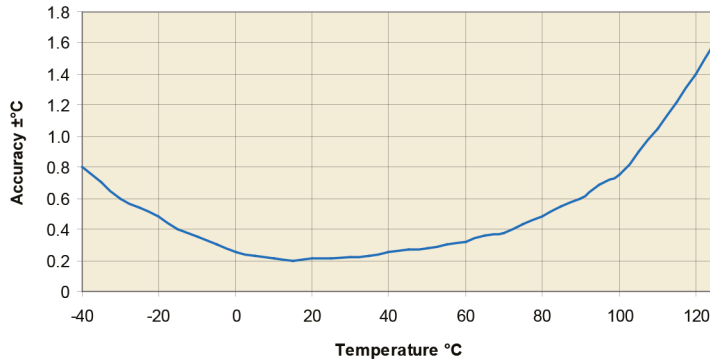
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## Measurement Accuracy



## Battery replacement

We recommend that you replace the battery every 18 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 a 38/758/0 battery that is supplied or recommended by Brannan, which is rated for use in high temperatures and has the correct battery terminals. Using non-Brannan approved batteries may result in fire or explosion at high temperatures. Suitable batteries are Tadiran TLH-5955/S and Tadiran SL-561/S.

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.

## Dimensions & weights:

**Product dimensions:** Net: 17.5mm x 110mm  
Gross: 100mm x 140mm x 40mm

**Product weight:** Net: 98g (incl. battery)  
Display box & instructions: 36g  
Gross: 149g (incl 15g plastic tray)

**CE/ROHS/WEEE:** Compliant

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

Description	Barcode	Product no
Stainless steel temperature logger	5 011405 387585	38/758/0

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the website

