

Data Loggers

The ThermaData data logger is a cost effective, self-contained temperature data-logger or blind recording thermometer that is designed to record the temperature of the surrounding environment. The ThermaData data logger is housed in a water-resistant polyethylene case and incorporates two LED status indicators.

- data-logger & blind recording thermometer
- visual display of high & low alarm status
- range -40 to +85°C
- visual inspection shows if limit exceeded



The ThermaData logger software allows the user to programme the logging sample/interval rate (1 to 255 minutes), the real-time clock, °C or °F, delayed start (maximum 23 hours, 59 minutes) or push-button start and a 12-character user ID. The software also incorporates a password protected calibration adjustment feature that allows the user to check the calibration of loggers and make minor adjustments $\pm 0.5^{\circ}\text{C}$.

By selecting continuous logging in the software options, it is possible to start the ThermaData logger only once and never have to reset its parameters again, even if downloaded regularly. Unlike most low cost loggers, the ThermaData logger will continue recording during and after downloading the data.

The user can also set within the software, high and low alarm values for a specific application. A button push will allow a simple visual inspection of the unit to show if either of these limits has been exceeded. An illuminated red LED will warn the user that the alarm limits have been exceeded (reject) or an illuminated green LED will advise the user that the alarm limits have not been exceeded (accept).

specification	ThermaData logger
range	-40 to +85°C
resolution	0.5°C
accuracy	±1°C (±0.5°C with calibration utility)
memory	2,048 temperature readings
sample rate	1 minute to 255 minutes
battery	3.6 volt lithium
battery life	minimum 5 years
dimensions	55 x 25mm
weight	45 grams

colour-coded data-loggers

The ThermaData loggers are available in a variety of coloured cases; blue, white, yellow, green, red, brown and black. The colour-coded cases help to prevent cross-contamination by allowing the user to allocate a colour to a specific product or application. For example, in the food industry, green may be used for salads, blue for fish and red for raw meats etc. Other applications include different coloured loggers for easy identification in, eg, the building and construction industry where loggers can often blend in with the environment.

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The ThermaData logger Mk II series consists of a comprehensive range of portable data-loggers utilising the latest in electronic technology. The ThermaData loggers are housed in a waterproof, ergonomic case that is designed to meet IP66/67 protection.

- waterproof housing - **IP66/67 protection**
- designed to meet EN 12830, S & T, C & D, 1
- temperature range -40 to +85°C/+125°C
- high resolution 0.1°C, high accuracy ±0.5°C