

The μ logger – 4Therm (USB)

Key Features

USB connectivity

Four separate channels measuring resistance of a thermistor.

Can be used with our high quality thermistor to measure temperature in the range -40°C to $+85^{\circ}\text{C}$.

16-bit (0.0015%) resolution.

0.05% basic accuracy.

Can also be used with other resistive sensors in the range 0 – 50k Ω . We can generate look-up tables for new sensors.

Can operate for over two years on an AA battery.

Inbuilt memory of 128KB.

Small size: 65mm. x 65mm. x 28mm.

Available from:

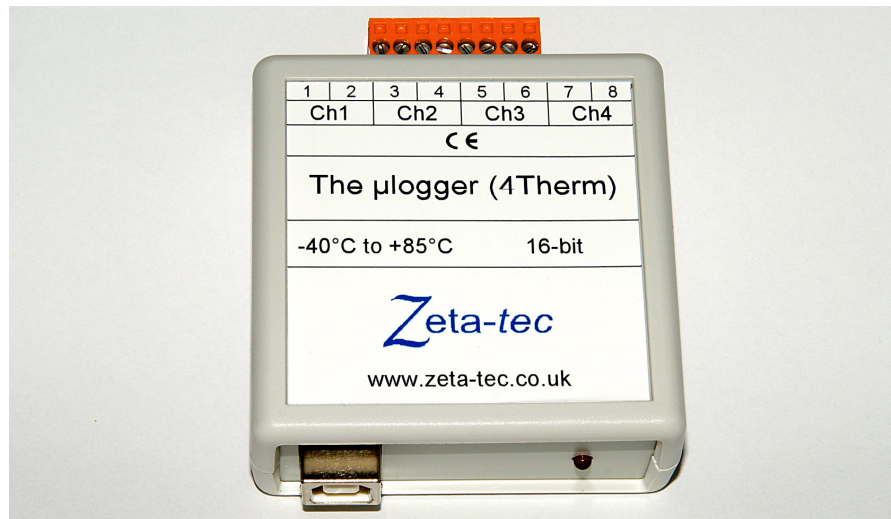
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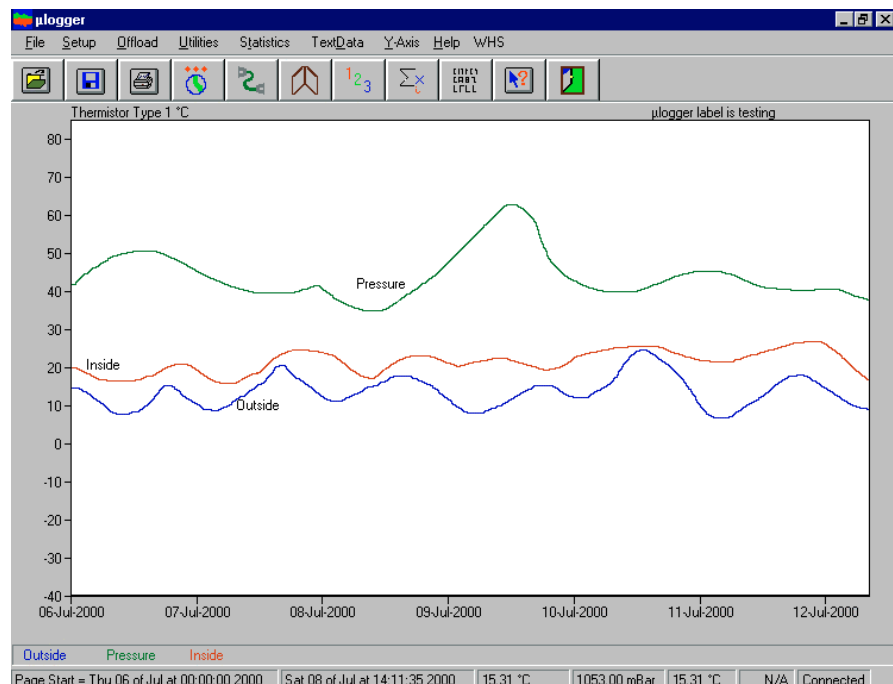
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The μ logger (pronounced micro-logger) is a small, high quality and versatile battery powered remote data logger. This model has four resistance channels; usually for connecting to our high quality thermistor based temperature sensors but can be connected to any sensor that produces a resistance output. We supply a standard set of look-up tables and can easily generate any other look-up tables that customers require.

High quality precision components are used throughout. The supplied software allows the μ logger to be configured before leaving it at the logging site. At the end of the logging period your data is offloaded and can be displayed and analysed using the same software.



TECHNICAL SPECIFICATIONS

Hardware

- ❑ 16 bit (0.0015%) resolution with a basic 0.1% accuracy, 8-bit and 12-bit resolution can also be set to maximise memory usage.
- ❑ Four resistance channels; one, two, three, or all four channels can log simultaneously.
- ❑ 128KB of non-volatile memory. This can store 65,000 16-bit readings.
- ❑ Logging interval 1sec. - 24 hours.
- ❑ 1 AA user replaceable battery (lasts over two years with standard use – supplied with a μ logger).
- ❑ High specification components used throughout for maximum reliability.

Software (a trial version can be downloaded from our Web-site)

- ❑ Runs under W98 (SP2) or greater.
- ❑ Graphical or textual display for your data.
- ❑ Zoom in on your data.
- ❑ Scroll through your data.
- ❑ Name your probes.
- ❑ Min., Max. and average calculation.
- ❑ Save and load data and files.
- ❑ Save and load configuration files.
- ❑ Set 'look-up' tables to use for each channel.
- ❑ Set start & stop time (stop when full, after a set time or allow memory rollover).
- ❑ Log while connected to PC.
- ❑ USB interface to PC.
- ❑ Print data graphs.
- ❑ Export data to your spreadsheet.

Available from Zeta-tec: Model No. ZT-1016 (-40 °C to 85 °C).

Sensors available:

- ❑ 1m. lead mounted in a stainless steel tube (ZT-3201)
- ❑ 2m. lead mounted in a stainless steel tube (ZT-3202)
- ❑ 5m. lead mounted in a stainless steel tube (ZT-3205)
- ❑ 10m. lead mounted in a stainless steel tube (ZT-3210)
- ❑ Unmounted thermistor without tube but with lead and connector (ZT-3299.)
- ❑ Specials to order

E & O.E.