Thermocron Temperature Logger

What is a temperature logger?

Temperature loggers are a thermometer with memory. They continually monitor the temperature and record the date, time and temperature in memory. These readings can then be sent to a computer to be view, save and reloaded at a later date.

This allows you to know exactly what the temperature was at all times. You can determine if your goods are usable, if something is too hot or cold, or to prove that everything is acceptable. The date and time information allows you to know exactly when a problem occurs and can often answer the why or who question.

NEW: The best just became better

There are now three models to choose from.

TC: The general logger
The TC model provides the broadest temperature range (-30°C to 85°C) to cover most applications. Its 0.5°C resolution is sufficient for most users.

TCZ: The cool logger
The TCZ (zero degrees) provides coverage of the -5°C to 25°C range making it ideal for refrigerated applications. Its 0.125°C resolution provides more detail when you need it.

TCH: The body logger
The TCH (human body temperature) provides coverage of the 15°C to 45°C making it ideal for body temperature monitoring as well as room temperature. Its 0.125°C resolution captures smaller changes in temperature.

Why the Thermocron?

Construction
Forget about flimsy plastic. The Thermocron's *stainless steel housing* makes it almost indestructible. It will easily cope with rough handling and abusive environments. It is water resistant and can be washed, sterilized, submersed and beaten.

Size
You will not believe the size of the Thermocron. It is about the size of a coin. Consequently it can be placed almost anywhere. But if you don't require the small size then we can easily make it larger. See the other side on further information about fobs.

Long life
With its almost indestructible construction the Thermocron is designed to last. In fact, its built in battery will last for up to 10 years or 1 million readings. This device will outlast your computer system.

Performance
The Thermocron is a fully functional temperature logger. It will store over 2,000 readings for later recall. Once the memory is full it will either stop recording or over write the oldest readings.

Applications
With models operating down to -30°C and up to 85°C it can do every thing from freezers to fridges to room temperature to body temperature to incubators.

Value for money
How much do you expect to pay for a temperature logger that is almost unbreakable, a fraction of the size of most temperature loggers and will outlast your computer?

We guarantee that the Thermocron is the lowest priced temperature logger on the market. In fact, it is a fraction of the price of most loggers. Price is no longer a barrier to continual temperature monitoring of every thing.

Specifications

Dimensions	17.35mm diameter, 5,89mm thick
Housing material	Stainless Steel
Water resistant	Yes
Life span	Up to 10 years or 1,000,000 readings
Reusable	Yes
Sample rate	Once every 1 to 255 minutes
Initial delay	Up to 45 days
Log size	2048 readings = 1 day, 10 hours @ 1 min/sample = 7.1 days @ 5 min/sample = 42 days @ 30 min/sample
After log is full	Stop or over write oldest readings
Identification	Unique 48 bit numbers
HACCP Compliant	Yes

	TC	TCZ	TCH
Min temperature	-30°C -20°C -10°C	-5°C	15°C
Max temperature	85°C	25°C	45°C
Resolution	0.5°C	0.125°C	0.125°C
Accuracy	1°C[1]	1°C	1°C
- with calibration	0.5°C[1]	0.5C°	0.5C°
Applications	General	Fridge	Room + Body

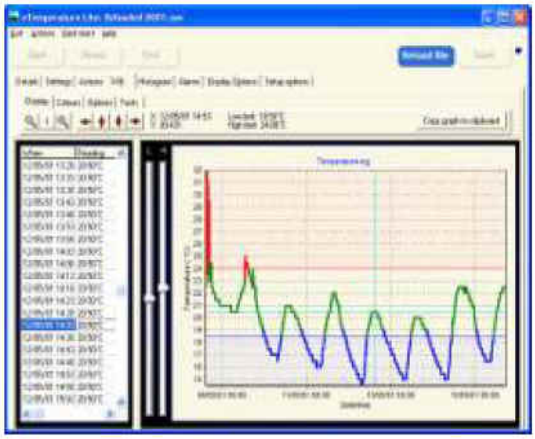
[1] Between -10° and 60°C

Thermocron Accessories

Kits = Software + Reader + Case

The eTemperature software, reader and case are supplied as a kit. The software can be freely copied onto multiple PCs and the reader moved between PCs. When multiple readers are required then additional kits must be purchased.

eTemperature Software



eTemperature allows you to quickly and easily:

- set up the Thermocron's sample rate, start delay, high and low alarm limits, and rollover option.
- download the results from the Thermocron to the PC
- display the results as a table
- display the results as a graph. The graph supports panning and zooming to easily identify problems.
- save results for later recall.
- export results to Microsoft Excel, Microsoft Word.
  e-mail results

Minimum PC Requirements: Pentium 200MHz, Windows 98, NT3.5, 2000, XP, 32M memory, 5M HDD free, mouse, CD-ROM

Reader (cable)

A reader is required to connect the Thermocron to the PC.

Serial port

The serial port reader is supplied unless specified. Its DB-9 connector plugs into the PCs serial (comm) port. The other end has two connectors for a Thermocron. Either connector can be used.

USB

The USB reader provides easy connection to modern computers. It also has two connectors for the Thermocron.

Plastic fobs (optional)

When size is not the issue

If size is not a key requirement then a plastic for is recommended to assist in the handling and mounting of the Thermocron.

Fob2

The plain plastic fob is available in black, red, yellow, green and blue. The Thermocron clips in place.

Clear Fob

The clear fob is slightly larger and is clear. This allows an identifier to be inserted. The standard identifier has the OnSolution or distributor's logo on one side and a sequential number of the reverse. An industrial strength double sided adhesive ensures the Thermocron will always stay attached.

For orders of 50 or more it is possible to have a customized logo in the design.

TC-Spy

View

Simply touch the TC-Spy to a Thermocron to find:

- If any temperatures have been too high or low,
- when they occured
- and for how long.

Control

Hold the TC-Spy on for 10 seconds to:

- Stop the current mission if the Thermocron is running, or
- Restart the Thermocron using the last settings.