tempmate®

tempmate®-C1

Dry-Ice Monitoring Solution

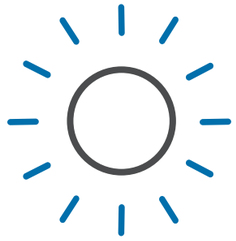
Benefits

DRY ICE

Your tempmate.®-C1 can record temperatures as low as -90°C and thus even provide a reliable overview of your dry ice transports. For this purpose, the entire device is developed in such a way that every single component, be it the electronics or the housing, can withstand extreme temperatures from -90°C to +70°C without any problems.

SIMPLE

One push of a button and off you go. You will receive your tempmate.®-C1 preconfigured and ready for immediate use. The simple system, consisting of only 2 buttons, allows you to operate the device completely. Your tempmate.®-C1 does not require any accessories and can therefore be used anywhere and at any time. All you need is a PC with a USB connection to read out the data, PDF and CSV reports are generated automatically.



CAREFREE

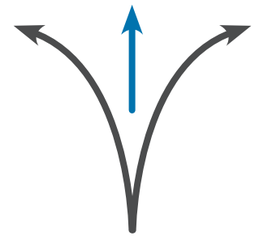
Tailoring a logger to your needs is child's play with the tempmate.®-C1. The free tempbase-Cryo software guides you through a simple configuration menu to your perfect data logger. The device's validation certificate can be found directly on the device's memory, so you can't lose it. The generous LCD gives you insight into the current status of your monitoring at any time.

SAFE

Up to 6 alarm limit values adapted to your goods offer you the possibility to react early to deviations of your temperature ranges. Different alarm modes support you in adjusting the alarm settings of your tempmate.®-C1 to the highest security during the monitoring. In addition, the adjustable password protection gives you the security that nobody but you can access your important data.

PROTECTED

The robust housing of your tempmate.®-C1 protects your important data not only from extreme temperatures, but also from shocks and other external forces. Thanks to the removable protective cap of the USB port, it remains accessible without compromising the protection of the hardware during use. This also applies to the IP protection class of the device.



FLEXIBLE

The tempmate.®-C1 is fully configurable by the customer, allowing you to tailor it to your exact application. Start and stop modes, log interval and alarms, the device adapts to your needs and requirements. The 24 months shelf-life and up to 90 days runtime offer you a lot of freedom in scheduling your resources. Are you planning multiple deployments? Within the maximum of active 90 days, you can start and stop your tempmate.®-C1 multiple times.

Application

ELABORATE PROCESS IMPLEMENTATIONS.

For a process to run smoothly, the correct implementation of a new component is essential. Only then optimizations can take place without creating unnecessary extra work in other places. The tempmate.®-C1 takes most of the work for you with its flexible application options. It is operated using only 2 buttons and a status request requires only a glance at the display.

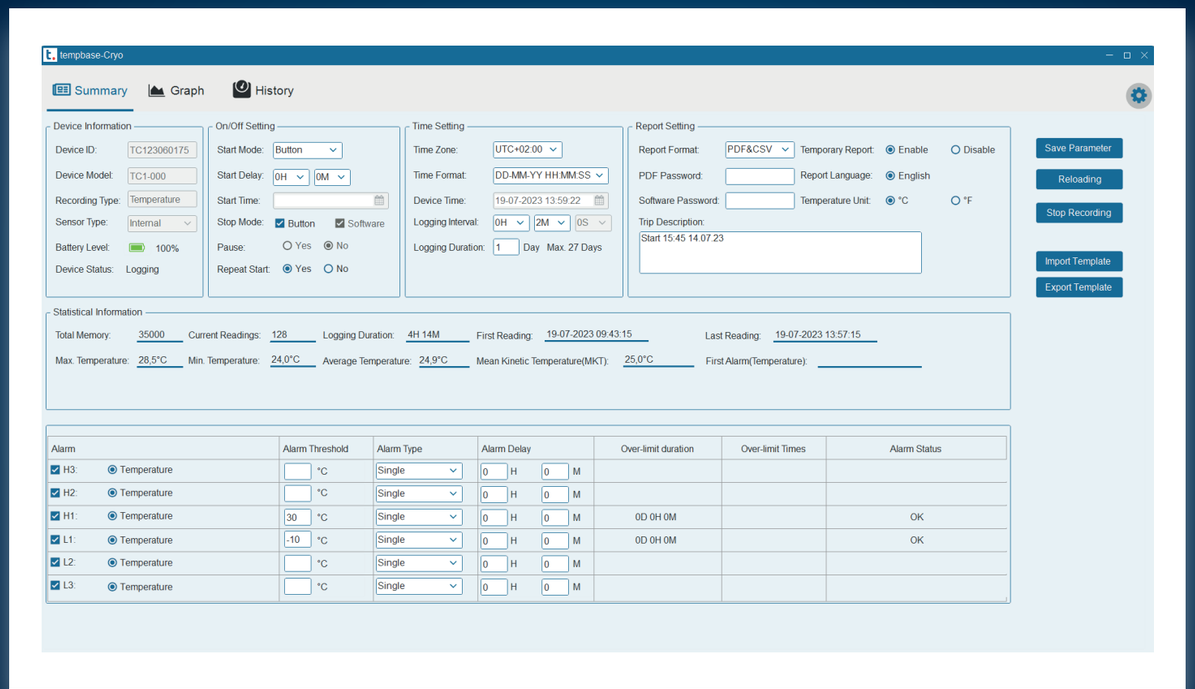
INFINITE POSSIBLE ERROR SOURCES.

Different transport routes, loading, delays, packaging or even human error, the list of possible sources of error in your supply chain seems endless. Fortunately, the tempmate.®-C1 can accompany almost every step of your process. This way you can detect every critical point in your production and supply chain and make optimizations not only to minimise loss of goods but also to keep your quality standards high at all times.

KEEP AN EYE ON ALL REGULATIONS.

We have already done that for you with the tempmate.®-C1. The case itself is made from robust material to ensure that your important data is kept safe during the entire transport. In addition, the device is CE, EN12830, RoHS, RTC DO-160 certified and therefore suitable for many different applications. To meet possible security standards, the tempmate.®-C1 also offers the possibility to program password protection.

tempbase-Cryo Software



One of the most critical challenges in ultra low temperature applications is **maintaining optimal temperature** conditions throughout the entire process. Whether it's the storage and transportation of medical specimens, biologics, or perishable goods, precise temperature monitoring is of utmost importance.

The tempmate.®-C1 is **ready for use** the moment you hold it in your hands. Due to its **pre-configuration**, you only need to press the green start button to start the device and thus the recording of your data.

But what can you do if the pre-set configuration does not fit your needs? We give you the opportunity to **configure your tempmate.®-C1** with the associated tempbase-Cryo software **free of charge** according to your wishes and specifically to the requirements of your goods.

- Keine versteckten Mehrkosten
- Free download
- Individual configuration
- Up to 6 alarm limits
- Configurable password protection
- No accessories necessary
- Different start and stop modes
- Increase device memory *

* by disabling CSV option (only PDF) from 20.000 to 35.000 readings

Main Technical Specifications **temp**mate.®-C1

Model	Dry Ice / Low Temperature Data Logger
Part Number	TC1-000
Usage	Single-Use / Multi Start/Stop within 90 Days possible
Temperature Range	-90°C to 70°C
Accuracy	±0.5°C (-30°C to 70°C) ±1.0°C (others)
Resolution	0.1°C
Memory Capacity	20.000 Readings using PDF & CSV (default) 35.000 Readings using PDF only (optional)
Connection	USB
Indication	LCD
Battery	3.6V Lithium Battery
Runtime	Max. 90 days
Dimensions	96mm(L) * 44mm(W) * 15mm(H)
IP Protection	IP65
Mark	Max. 9 points
Alarm	Max. 6 points
Logging Interval	1 minute-24 hours
Start Delay	1 minute-24 hours
Report Format	PDF/CSV
Software	Free tempbase-Cryo Software for Windows
Certifications	CE, RoHs, EN12830, RTC-DO160
Shelf-Life	2 Years

ETHICAL & SUSTAINABLE

This mission statement sets out the company's purpose and values, as well as the business principles that dictate our work. We achieve our goals together. We are guided by our desire to act ethically, sustainably and responsibly towards humanity and the environment.

Developing our existing technology and connecting them digitally to make them more economical, accurate and future-proof – this is our goal with tempmate.®. We want to make the production, pre-production and downstream processes even more efficient and sustainable.

LIVING BY COLLECTIVE VALUES

We draw our strength from the constructive and respective co-operation between the management board and all members of staff. We approach new projects and new tasks with courage and determination. We train our employees and help them to grow over the long term. We encourage our employees to think for themselves so that they can create new innovations for our customers.

Courage is a challenge that we are constantly setting ourselves. Our actions are shaped by our respect and appreciation of humanity and the environment. With each new product, we are integrating more and more sustainable elements and avoiding wasting important resources. Our solutions create freedoms rather than dependencies.

Our customers are at the heart of our daily work and our shared success is what matters most. Appreciation is more than just a word for us – it is what sets all employees at tempmate.® apart.
We stand for enthusiasm and mutual trust, for a positive, friendly atmosphere, for reliability and entrepreneurial spirit and for action at all levels.
We are striving towards a long-term relationship with our business partners, and one that is shaped by fairness, trust and reliability. We achieve our goals together and are reducing waste across all sectors.

Andreas Stoll
CEO

Contact Information

Do you have any questions? Please contact us - our experienced team will be happy to support you.

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