# Best-in-Class Shipment Logger

## Q-tag CLm doc Devices

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# Temperature Monitoring Is Yellow

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# Best-in-Class Shipment Logger

Our Q-tag CLm doc devices log temperature measurements during transportation and provide the information/data after the shipment has arrived at its destination. Once the device has been connected to a PC or Mac, it creates automatically a PDF/A and ASCII file with all measured temperatures and time data.
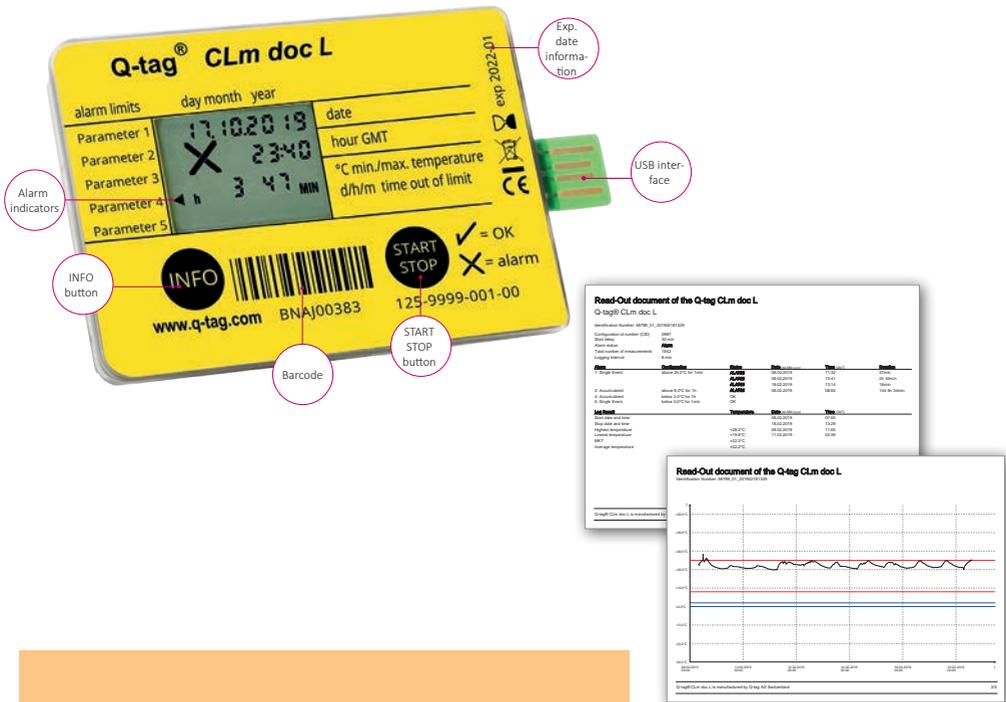


In Use By the Best
## Pharmaceutical Companies

## WHO/PQS
Prequalified Products

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### Q-tag CLm doc D
The cool one

| In use from **−96°C** to +30°C | WHO PQS E006/088 |

The clearly coolest is the Q-tag CLm doc D. The **dry-ice multi-alarm shipping** temperature logger has a storage capacity of 38,000 measurements and is used for single use.

| −96°C | −40°C | −30°C | −20°C | −15°C | 0°C |
|---|---|---|---|---|---|

| **PH.EUR Guideline*** | | Frozen/Deep-frozen: > −15°C | | | Refriger |
| **WHO Guideline*** | | Frozen/Deep-frozen: > −20°C | | | |
| **USP Guideline*** | | | | | |

**\*** Guidelines: All information is supplied without guarantee.

**Q-tag CLm doc D**: in use from −96°C to +30°C

**Q-tag CLm doc Ice / doc Ice R**: in use from −40°C to +60°C

### Q-tag CLm doc Ice
The frosty one

| In use from **−40°C** to +60°C | WHO PQS E006/089 |

**The new member** in the Q-tag CLm doc device family!
Ideal for shipments between −40°C to +60°C.
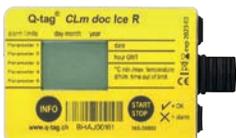
### Q-tag CLm doc Ice R
The restartable one

| In use from **−40°C** to +60°C | WHO PQS E006/090 |

**The new member** in the Q-tag CLm doc device family is a **reusable** freeze multi-alarm shipping temperature logger impresses with its large memory capacity of 38,000 measurements.

# The Reliable Companion for Your Valuable Products

### Q-tag CLm doc L
The durable one

| In use from −30°C to +60°C | WHO PQS E006/030 |
| --- | --- |

With an operating time of up to **365 days\*** the Q-tag CLm doc L is particularly **durable**. The device is used as a **single-use** data logger. (\* with a log interval of 15 minutes)

**Q-tag CLm doc L**: in use from −30°C to +60°C

| 2°C | 8°C | 15°C | 25°C | 30°C | 60°C |
| --- | --- | --- | --- | --- | --- |

| ...ator: 2°C to 8°C | Cold and cool: 8°C to 15°C | Room temperature: 15°C to 25°C | | | |
| Cold: 2°C to 8°C | Cool: 8°C to 15°C | Room temperature: 15°C to 25°C, Ambient temperature: 15°C to 25°C or 30°C depending on climatic conditions | | | |
| | Cold: > 8°C Room temperature: temperature prevailing in a work area | Cool: 8°C to 15°C | | | |

**Q-tag CLm doc LR**: in use from −5°C to +60°C

**Q-tag CLm doc**: in use from −30°C to +60°C

### Q-tag CLm doc LR
The profitable one

| In use from −5°C to +60°C |
| --- |

The Q-tag CLm doc LR is a **reusable multi-alarm** temperature logger. With its large memory capacity of 38,000 measurements and the possibility of multiple use, the logger is very profitable.

### Q-tag CLm doc
The clever one

| In use from −30°C to +60°C | WHO PQS E006/016 |
| --- | --- |

The Q-tag CLm doc **passively monitors just the relevant points during** the transport. The mulit-alarm shipment logger has a storage capacity of 1,500 measurements and is used for single use.
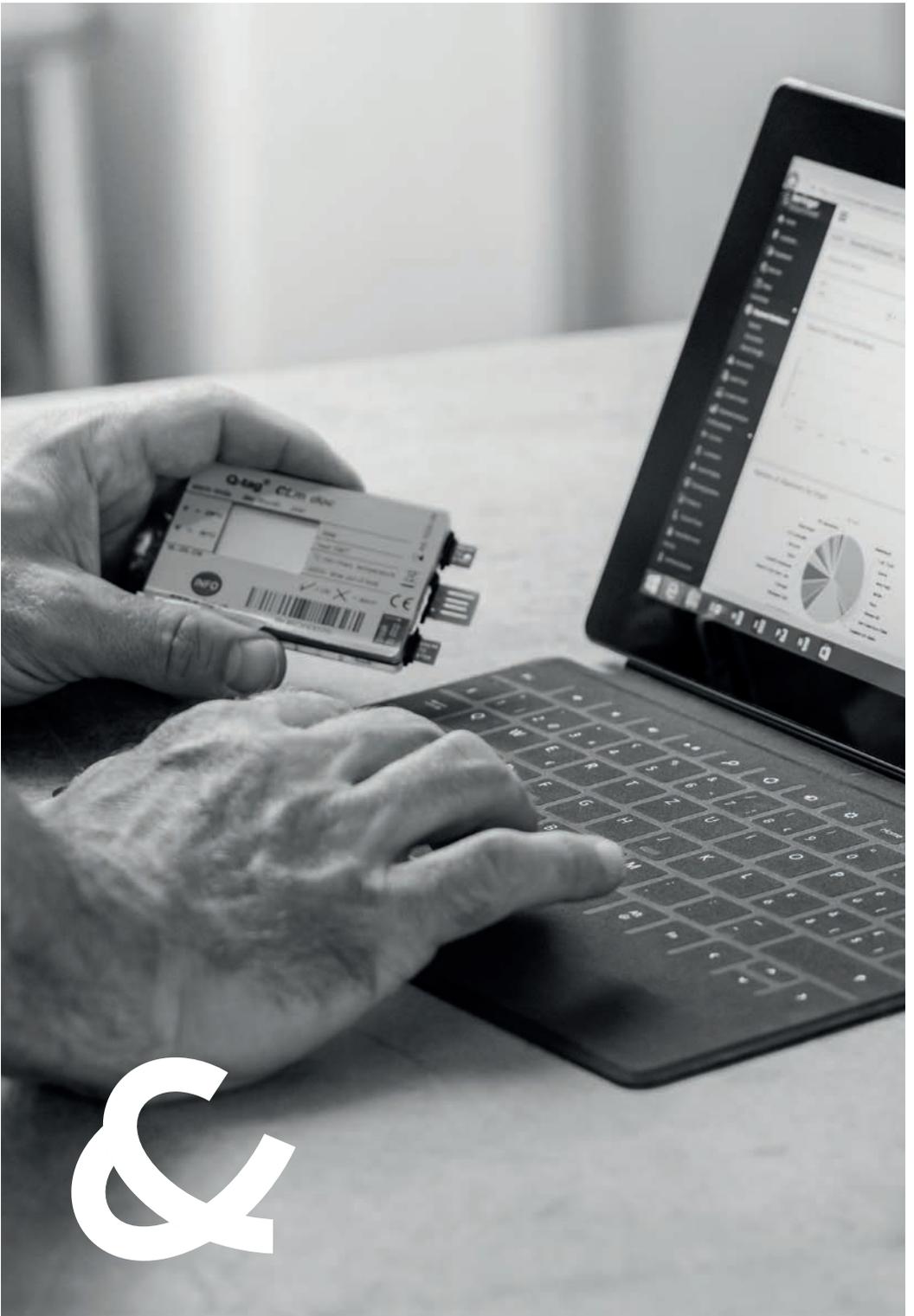
# Your Application Advantages

## Individual alarm programming

Up to 5 alarm temperatures and times can be modified individually to the product and customer requirements such as the upper and lower limit values in the range of −96°C till +55°C. Tailor-made control!

## Date and time display

The Q-tag CLm doc devices irrevocably show the exact point in time and the date of all limit violations. The ability to track alarm events is given at any time and important conclusions on responsibility are visible immediately. Incorruptibly correct!

## Displaying the extreme temperature and duration of excess

The extent of any temperature limit infringements is visible at a glance, even if no alarm is issued. This is the result of displaying extreme temperatures and the total duration of the temperature limit infringements. All relevant information is conveniently available at any time. So, the right measures and necessary decisions can be taken quickly and securely. Intelligent decision-making aid!

## Exact measurement of temperature and time

The Q-tag CLm doc devices are part of the family of extremely precise electronic temperature monitors. Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request. The temperature measurements can be made at minute intervals over the whole monitoring period. Even if an alarm limit was exceeded and the Q-tag CLm doc device has already indicated an alarm, it accumulates each additional temperature limit infringement and shows the total on the display. The precision time measurement is down to a built-in quartz. As exact as a Swiss clockwork!

# Efficient and Profitable

## Data readout without software via USB

As soon as the Q-tag CLm doc device is connected via USB to a PC or Mac, it creates a PDF/A and an ASCII document. Thanks to the electronic signature, the raw data can be verified in compliance with the FDA regulations 21 CFR Part 11. Secure and user-friendly!

## Document management and archiving

The ASCII and PDF/A files generated in the device can be sent back to the sender via email. They can organize the quality check, analysis and storage of the files. The data can be converted and read directly into the existing reports, ERP or data management systems. The information is therefore directly and automatically assigned to the relevant shipment and products. Organized to save costs!

## Fast decision

The large LCD display of all Q-tag CLm doc devices allows a clear display and easy interpretation of the data. Even before the data is read out. Quick and easy!

# As Exact As a Swiss Clockwork!

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# Create Your Data Logger

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# Simplify Your Process

## Choose a different label color

Customize your data logger with a different label color for more safety (e.g. blue label for the use of 2°C to 8°C). In the standard delivery you receive the data logger with a yellow label, but you can also choose one of the following eight different label colors:

| | | | |
|---|---|---|---|
| Pantone 317 C | Pantone 4685 C | Pantone 427 C | Pantone 148 C |
| Pantone 263 C | Pantone 290 C | Pantone 7406 C | Pantone 365 C |

## Personalize with your logo

Customize your data logger with your own logo for safe and easy handling and description in your SOP. We can either print your logo or an article number in the upper right corner.

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## Key Advantages of the Q-tag CLm doc Devices

### Durable

### Easy to Read Out
with
✔ or ✘

### Secure
Digitally Signed
PDF and ASCII File

(No Software Needed)

## Runtime Up to 365 Days
Thanks to 38,000 Measurement Points

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# Data Control with Berlinger Verifier

"For me as Quality responsible, the Berlinger Verifier is the guarantee for secure data traceability and ensures 100% transparency."

**berlinger** verifier

The **Berlinger Verifier** software enables the authenticity of data generated by the CLm doc devices to be verified. The digital signature for both files (PDF and ASCII) can be verified which confirms the data has been unaltered. The CLm doc devices and the Berlinger Verifier software combination is designed to be compliant with 21 CFR Part 11 requirements in creation and transmission of electronic records. Key advantages:

- Secure data
- Authenticated
- Easy

www.berlinger.com/verifier

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# Experience the Power of Control
# Berlinger SmartView
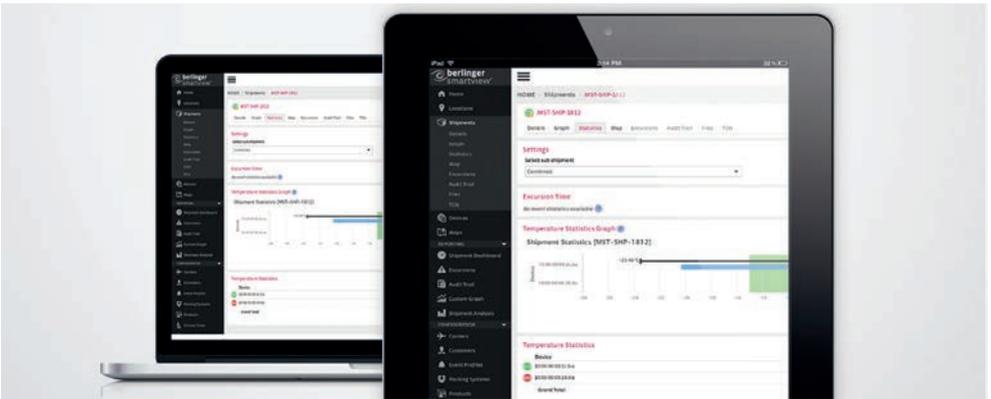


Berlinger SmartView is a web platform for cold chain optimization that has proven to bring significant improvements in customer service, quality and process efficiency.

## The Berlinger Solution

**berlinger** smartview®

Thanks to Berlinger SmartView, the collected temperature data can be analyzed easily and in depth for significant workflow improvements! The key benefits:

• Quality improvement

• Seamless information

• 24/7 worldwide data access

# Berlinger – For Over 30 Years in the Temperature Monitoring Business

## Flexibility

## Quality and Fair Partnership

## Wide Range of Products
from Temperature Indicators and Data Loggers to Complete Monitoring Systems

## Berlinger & Co. AG

Mitteldorfstrasse 2
9608 Ganterschwil
Switzerland

Tel. +41 71 982 88 11
info@berlinger.com
www.berlinger.com