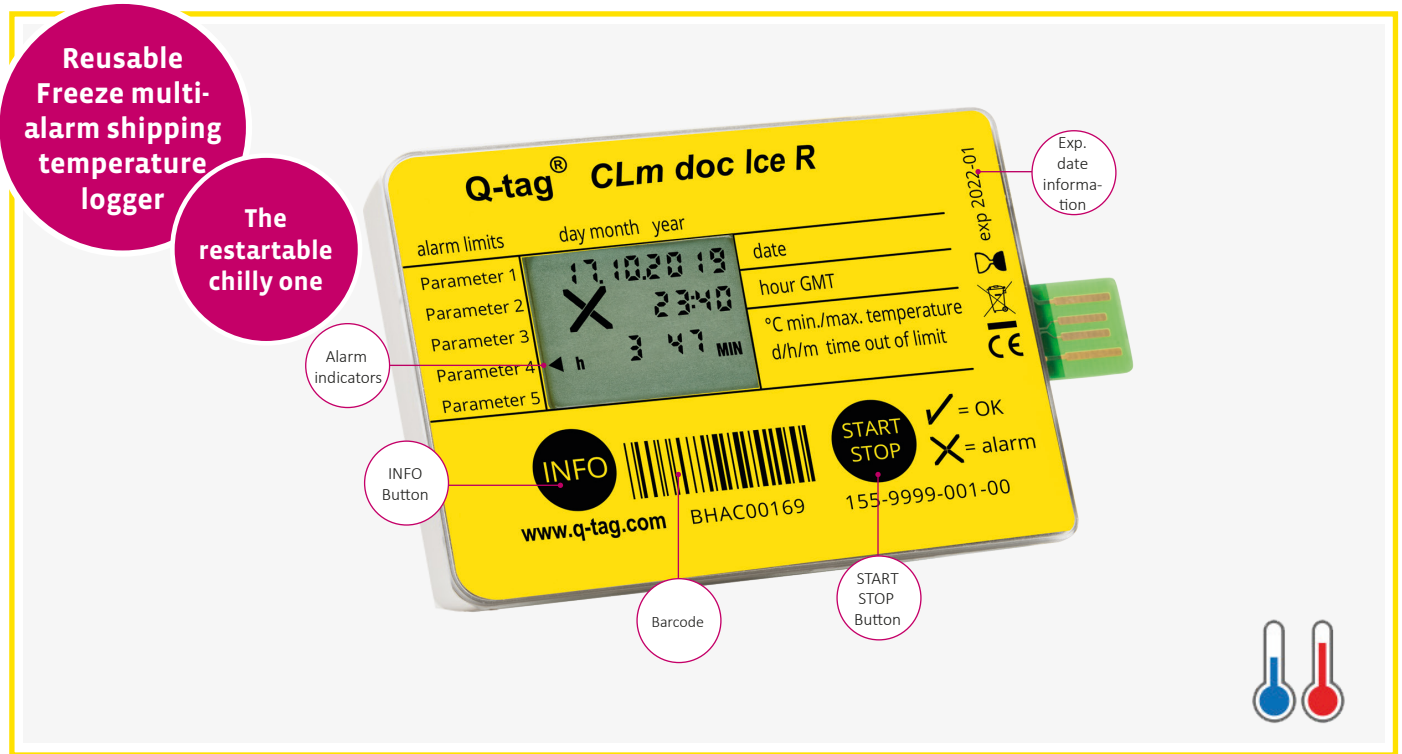


# Q-tag CLm doc Ice R

## The restartable chilly one



## Temperature monitoring of frozen shipments

start it - pack it - send it - dock it - file it



This reusable data logger impresses with its large memory capacity of 38,000 measurements. 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. Runtime up to 365 days.

- Reusable shipping temperature logger
- Ideal for shipments between  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- User-friendly, reliable and high-precision



# Technical Specification

## Q-tag CLm doc Ice R

MANUFACTURER'S REF	Q-tag CLm doc Ice R
DESCRIPTION	<p>Temperature monitoring of frozen shipments</p> <p>The new member in the Q-tag CLm doc device family! Ideal for shipments between <math>-40^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math>. This reusable data logger impresses with its large memory capacity of 38,000 measurements.</p>
LABEL COLORS	Different label colors available
EXTERNAL DIMENSIONS (L X W X H)	94 x 54 x 20 mm, Display 25 x 19 mm
WEIGHT	54 g
STORAGE CONDITION (INACTIVE)	$0^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ / $+32^{\circ}\text{F}$ to $+86^{\circ}\text{F}$
OPERATING TEMPERATURE	$-40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ / $-40^{\circ}\text{F}$ to $+140^{\circ}\text{F}$
DISPLAY VISIBLE	$-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ / $+14^{\circ}\text{F}$ to $+140^{\circ}\text{F}$
ALARM TEMPERATURE RANGE	$-35^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ , in $0.1^{\circ}\text{C}$ increments $-31^{\circ}\text{F}$ to $+131^{\circ}\text{F}$
ACCURACY OF TEMPERATURE MEASUREMENT	<p><math>\pm 0.8^{\circ}\text{C}</math> from <math>-40^{\circ}\text{C}</math> to <math>-30^{\circ}\text{C}</math></p> <p><math>\pm 1.44^{\circ}\text{F}</math> from <math>-40^{\circ}\text{F}</math> to <math>-22^{\circ}\text{F}</math></p> <p><math>\pm 0.5^{\circ}\text{C}</math> from <math>-30^{\circ}\text{C}</math> to <math>+40^{\circ}\text{C}</math></p> <p><math>\pm 0.9^{\circ}\text{F}</math> from <math>-22^{\circ}\text{F}</math> to <math>+104^{\circ}\text{F}</math></p> <p><math>\pm 0.8^{\circ}\text{C}</math> from <math>+40^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math></p> <p><math>\pm 1.44^{\circ}\text{F}</math> from <math>+104^{\circ}\text{F}</math> to <math>+140^{\circ}\text{F}</math></p>
ALARM LIMITS	Up to 5 individually programmable alarm limits
TEMPERATURE MEASUREMENT INTERVAL	1 minute
LOGGING INTERVAL	Adaptable 1 to 60 minutes (by 15 min the memory capacity will last for more than 1 year)
ALARM TRIGGER TIME	1 minute to 20 days
MEASUREMENT ACCURACY OF THE TIME	$\pm 30$ minutes / year
CALIBRATION	Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request
MEMORY SPACE	38'000 points
BATTERY	Button cell battery complies with IATA DGR Packing Instruction PI970 Section II
PROTECTION CLASS	IP65
OPERATING LIFETIME AND SHELF LIFE	Up to 2 years (1 year storage / 1 year useful life). Battery warning: display blinking
WARRANTY	2 years from date of delivery (see general Berlinger Terms & Conditions)
MANIPULATION	Q-tag CLm doc Ice cannot be manipulated, reset or turned off without destroying it
FORMAT OF THE ORIGINAL DOCUMENT	PDF / ASCII (it can also be imported by many ERP or data management systems)
SOFTWARE FOR VERIFYING PDF AND ASCII FILE	<p> <a href="http://www.berlinger.com/verifier">www.berlinger.com/verifier</a></p> <p>JAVA™ / The software verifies the digital signature of the ASCII and PDF files.</p>
COMPATIBILITY WITH BERLINGER SMARTVIEW	<p> <a href="http://www.berlinger.com/smartview">www.berlinger.com/smartview</a></p>
STANDARDS	CE, EMC, ROHS compliant, REACH, DO160, EN12830, PQS



Subject to change. Please note that all information in this document is correct at the time of publication. Due to our policy of continuous product development, we reserve the right to change this information without prior notice.

For more information download the whole user manual [www.berlinger.com/user-manuals](http://www.berlinger.com/user-manuals)



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