



MEASUREMENT SOLUTIONS

# COLD CHAIN TEMPERATURE LOGGER



## QUICK AND EASY TO USE.

- Freely configurable by user – without software installation
- Clear alarm identification
- Automatic PDF report generation
- Everything in one logger: configuration file, PDF report, instruction manual and calibration certificate
- High storage capacity: 8,000 data point memory
- Manipulation-proof
- Conforms to GxP, EN 12830 and FDA 21 CFR Part 11 / GAMP 5



## COLD CHAIN TEMPERATURE LOGGER

# TECHNICAL INFORMATION.

### Applications

Monitoring of the cold chain during transport of sensitive freight such as pharmaceuticals, foods and technical products. The logger is designed for single use only.

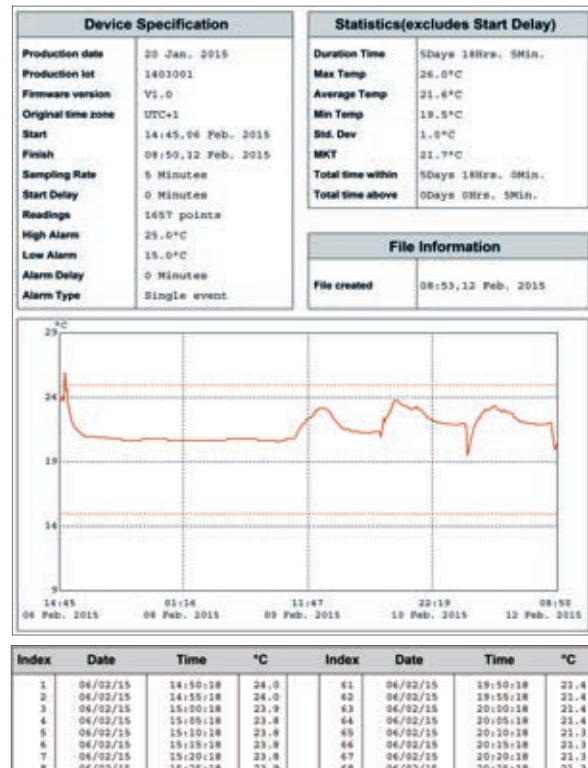


### Quick Guide

- Programming: plug into a USB port
- IP65: place into the sleeve and seal closed
- Start logging: press START key for 2 seconds
- Bookmarking: press MARK key
- Downloading of the PDF file: remove the logger from the sleeve, plug into a USB port

### PDF Report

SN  
14C0039



Would you like more information?

You can find a complete, up-to-date overview on the internet at [www.rotronic.com](http://www.rotronic.com).

### TL-CC1

Type of logger	Single use
Parameter	Temperature
Temperature sensor	NTC thermistor
Accuracy	±0.5 °C (-30...70 °C)
Resolution	0.1 °C
Range of application (temperature)	-30...70 °C / -22...158 °F
Range of application (humidity)	< 80 %RH
Protection	IP65 (when placed in plastic bag)
Weight	Approx. 10 g
Battery	CR2032 (not replaceable)
Dimensions without bag	80(L) x 43(W) x 2.5(D) mm
Dimensions with bag	105(L) x 55(W) x 2.5(D) mm
Logging interval	0.5/5/10/30/60/90/120 min
Start delay	0.5/5/10/30/60/90/120 min
Alarm ranges	-20...-10 °C, -10...0 °C, 2...8 °C, 0...15 °C, 0...25 °C, 15...25 °, freely selectable values
Alarm type	Deactivated, single or cumulative
Storage period	12 months
Storage capacity	8192 data points
MARK function	Marking of up to 8 points during transport
Operation	START/STOP button, MARK button
LED indicators	LED « Low » flashes red when value below alarm point LED « Hi » flashes red when value above alarm point LED « OK » flashes green during data logging LED « Battery » flashes red when low battery
Communication	USB 2.0 port, type A
Operating system	Windows
Conformity	GxP, EN 12830, FDA 21 CFR Part 11 and GAMP5

### Delivery

In box of 10 with instruction manual: TL-CC1-10

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