

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



rotronic

TECHNICAL INFORMATION.

Applications

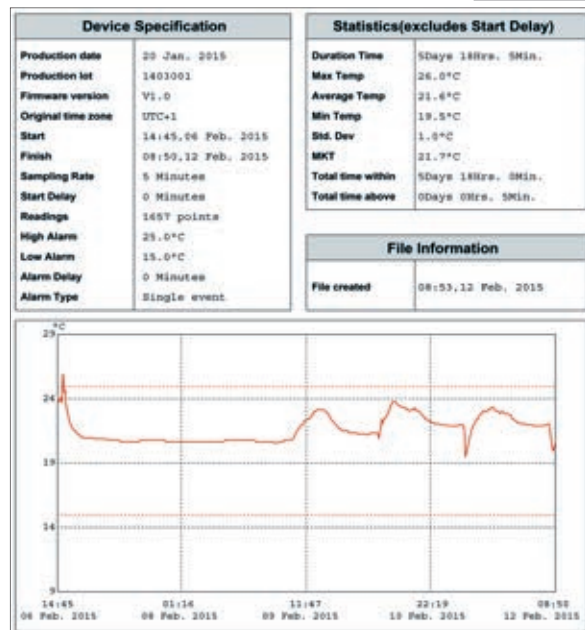
Monitoring of the cold chain during transport of sensitive freight such as pharmaceuticals, foods and technical products. The logger is designed for single use only.



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



Index	Date	Time	°C	Index	Date	Time	°C
1	06/02/15	14:50:10	24.0	61	06/02/15	19:50:10	22.4
2	06/02/15	14:55:10	24.0	62	06/02/15	19:55:10	22.4
3	06/02/15	15:00:10	23.9	63	06/02/15	20:00:10	22.4
4	06/02/15	15:05:10	23.8	64	06/02/15	20:05:10	22.4
5	06/02/15	15:10:10	23.8	65	06/02/15	20:10:10	22.3
6	06/02/15	15:15:10	23.8	66	06/02/15	20:15:10	22.3
7	06/02/15	15:20:10	23.8	67	06/02/15	20:20:10	22.3
8	06/02/15	15:25:10	23.9	68	06/02/15	20:25:10	22.3

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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