

TL-CC1 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



Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.

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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.



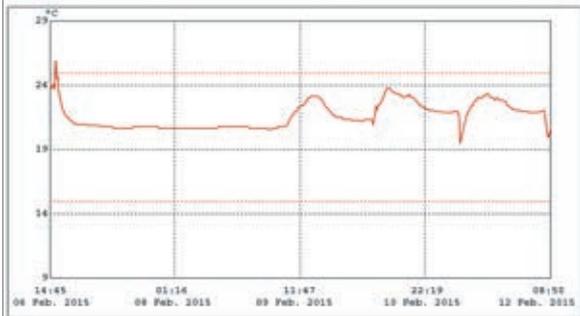
Quick Guide

- 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 ALERT

| Device Specification | | Statistics(excludes Start Delay) | |
|----------------------|--------------------|----------------------------------|--------------------|
| Production date | 20 Jan. 2015 | Duration Time | 5Days 18Hrs. 5Min. |
| Production lot | 1403001 | Max Temp | 26.0°C |
| Firmware version | V1.0 | Average Temp | 21.6°C |
| Original time zone | UTC+1 | Min Temp | 19.5°C |
| Start | 14:45:04 Feb. 2015 | Std. Dev | 1.0°C |
| Finish | 08:59:12 Feb. 2015 | MKT | 21.7°C |
| Sampling Rate | 5 Minutes | Total time within | 5Days 18Hrs. 5Min. |
| Start Delay | 0 Minutes | Total time above | 0Days 0Hrs. 5Min. |
| Readings | 1457 points | File Information | |
| High Alarm | 25.0°C | File created | 08:59:12 Feb. 2015 |
| Low Alarm | 15.0°C | | |
| Alarm Delay | 0 Minutes | | |
| Alarm Type | Single event | | |



| Index | Date | Time | °C | Index | Date | Time | °C |
|-------|----------|----------|------|-------|----------|----------|------|
| 1 | 06/02/15 | 14:50:38 | 24.0 | 61 | 06/02/15 | 19:50:38 | 22.4 |
| 2 | 06/02/15 | 14:55:38 | 24.0 | 62 | 06/02/15 | 19:55:38 | 22.4 |
| 3 | 06/02/15 | 15:00:38 | 23.9 | 63 | 06/02/15 | 20:00:38 | 22.4 |
| 4 | 06/02/15 | 15:05:38 | 23.8 | 64 | 06/02/15 | 20:05:38 | 22.4 |
| 5 | 06/02/15 | 15:10:38 | 23.8 | 65 | 06/02/15 | 20:10:38 | 22.3 |
| 6 | 06/02/15 | 15:15:38 | 23.8 | 66 | 06/02/15 | 20:15:38 | 22.3 |
| 7 | 06/02/15 | 15:20:38 | 23.8 | 67 | 06/02/15 | 20:20:38 | 22.3 |
| 8 | 06/02/15 | 15:25:38 | 23.9 | 68 | 06/02/15 | 20:25:38 | 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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