LogTag Recorders

TRIL-8 Multi-Use Dry Ice Low Temperature Recorder

The LogTag® TRIL-8 Dry Ice "Probe-less" Temperature Recorder operates, measures and stores up to 8000 temperature readings in temperature environments ranging from -80°C to +40°C (-112°F to +104°F).

The TRIL-8 is a multi-trip recorder, intended for use in transit monitoring of articles stored in packaging incorporating dry ice cooling agents.

A single trip version, the SRIL-8, is also available.

Using the LogTag® Interface and the freely available companion software LogTag® Analyzer, the LogTag® TRIL-8 Dry Ice Temperature Recorder is easily configured for recording conditions including delayed start, sampling interval, number of readings and configuration of conditions to activate the ALERT indicator.

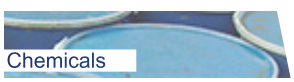
The red ALERT indicator provides an immediate indication, without access to a PC, if any readings are outside the limits specified at the time the unit was configured. The green OK indicator provides immediate visual confirmation, without access to a PC that the unit is operating.

Readings are downloaded using LogTag® Analyzer which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as MS Excel.

Product Highlights

- Records temperature from +40°C to as low as -80°C
- A real time clock provides date/time stamps for each temperature reading.
- Push-to-start button with optional delay or a specific time & date.
- Comprehensive customisation options including alert settings, sample interval and trip duration.
- Robust and durable polycarbonate case with lug for secure mounting.
- Up to 8,000 recordings - enough for the longest trip.
- In-transit inspections can be recorded at the push of a button.
- Industry best download time - less than 5 seconds for fully memory.

Recommended Applications



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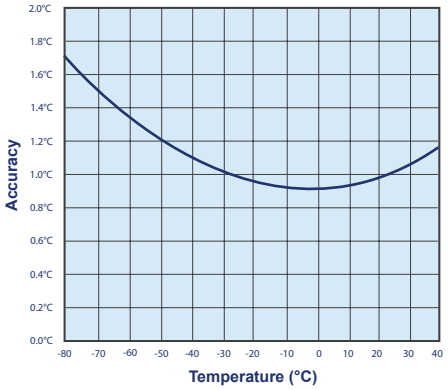
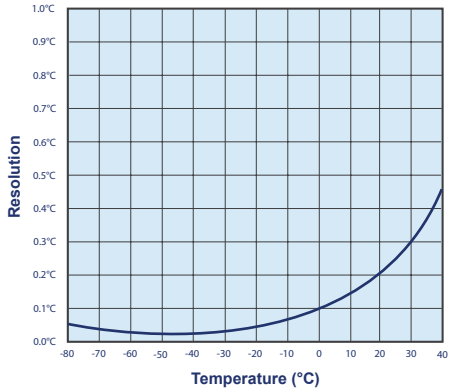
Accuracy/Resolution Charts

Rated Absolute Accuracy



Typical Native Resolution



Specifications

Product Model	TRIL-8 (Multi-use)
Measurement Range	-80°C ~ +40°C (-112°F ~ +104°F)
Rated Absolute Accuracy	Better than ±1°C for -30°C~ +20°C Better than ±1.2°C for -45°C~ -30°C & +20°C~ +40°C Better than ±1.7°C for -80°C~ -45°C
Typical Native Resolution	< than 0.1°C for -80°C ~ +0.0°C < than 0.2°C for -0.0°C ~ +20°C < than 0.5°C for +20°C ~ +40°C
Capacity	8000 temperature readings (16K bytes memory)
Sampling Interval	Adjustable, 1~60 minutes or 1~18 hours
Environmental	IP65 (roughly equivalent to NEMA 4)
Power Source	3.6V low temperature chemistry Lithium battery
Battery Life	Storage life of up to 12 months before 'start'. Rated for up to 1000 hours of exposure to -80°C.
Size	86mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	35g
Case Material	Polycarbonate

Compliance & Certifications

designed for 21CFRPart11	Designed to support Digital Signatures in accordance to FDA CFR21 Part 11.
FC CE	Tested and complies with FCC Part 15 Subparts A and B. Tested and complies with EC EMC directives (EN 50081-1:1992 & EN 61000-6-1:2001)
Pb RoHS COMPLIANT 2002/95/EC	Conforms to RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) EU Directive.

Accessories

Protective Enclosure

Wall Mount Bracket

Our FREE LogTag® Analyzer software provides an easy to use, powerful platform for configuring any LogTag® recorder product before deployment and for data download & analysis when the recorder is retrieved.

LogTag's® unique interface cradle design provides rapid & reliable LogTag® data transfer.

It accepts all non-USB recorder models, allowing a single interface to be used across the entire range.