



## TRIL-8 Multi-Use Dry Ice Low Temperature Recorder

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 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.

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.

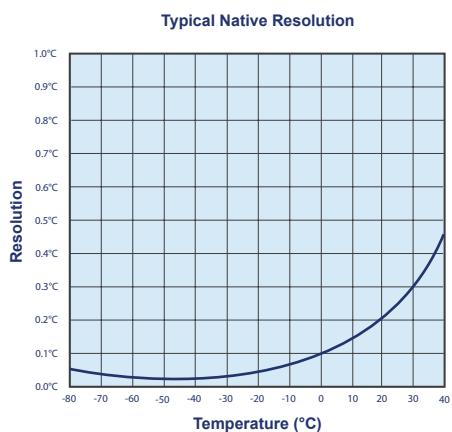
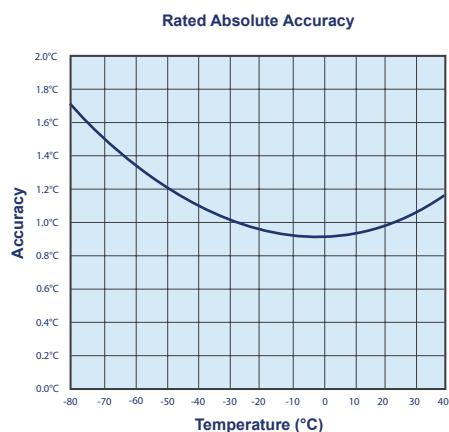
### Product Highlights

- 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



## Accuracy/Resolution Charts



## Accessories



Protective Enclosure



Wall Mount Bracket

## Specifications

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

## Compliance & Certifications

	Designed to support Digital Signatures in accordance to FDA CFR21 Part 11.
	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)
	Conforms to RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) EU Directive.

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.