

# LogTag Recorders



## SRIL-8 Single-Use Dry Ice Low Temperature Recorder

Using the LogTag® Interface and the freely available companion software LogTag® Analyzer, the LogTag® SRIL-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® SRIL-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 SRIL-8 is a single trip recorder intended for use in transit monitoring of articles stored in packaging incorporating dry ice cooling agents.

A multi trip version, the TRIL-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.

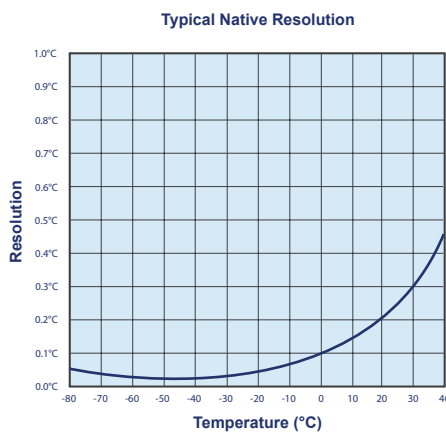
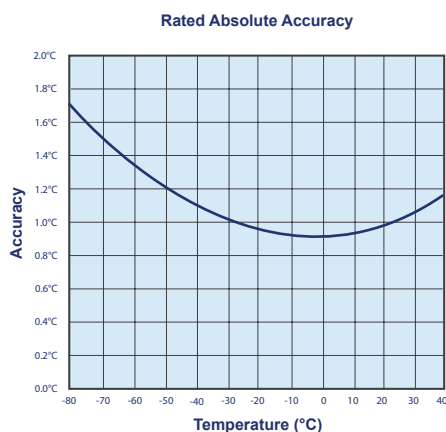
### Product Highlights

- 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



## Specifications

|                                  |   |
|----------------------------------|---|
| <b>Product Model</b>             | SRIL-8 (Single-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 $-30^\circ\text{C} \sim +20^\circ\text{C}$<br>Better than $\pm 1.2^\circ\text{C}$ for $-45^\circ\text{C} \sim -30^\circ\text{C}$ & $+20^\circ\text{C} \sim +40^\circ\text{C}$<br>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 $-80^\circ\text{C} \sim +0.0^\circ\text{C}$<br>< than $0.2^\circ\text{C}$ for $-0.0^\circ\text{C} \sim +20^\circ\text{C}$<br>< 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'.<br>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 with FDA CFR21 Part 11.   |
|  | Tested and complies with FCC Part 15 Subparts A and B.<br>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.             |

## 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.