LogTag Recorders

SRIC-4 Single-Use Temperature Recorder

- 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 4,000 recordings - enough for 13 days at 5 minute logging or 82 days at 30 minute logging.
- In-transit inspections can be recorded at the push of a button.
- Complies with industry standards including EC EMC, FCC, CFR21 Part 11 and RoHS.
- Industry best download time - less than 4 seconds for full memory.

The LogTag® SRIC-4 is a single-trip temperature recorder developed specifically for monitoring temperature sensitive products in both short haul and long-distance transportation applications.

The SRIC-4 combines all the features of an advanced temperature recorder with a 4,000 log memory and a 6-month operating life in a robust and inexpensive package.

When used in conjunction with the standard LogTag® Interface Cradle and the freely available LogTag® Analyzer operating software, the SRIC-4 can be easily configured by the user for a wide range of recording and alert conditions.

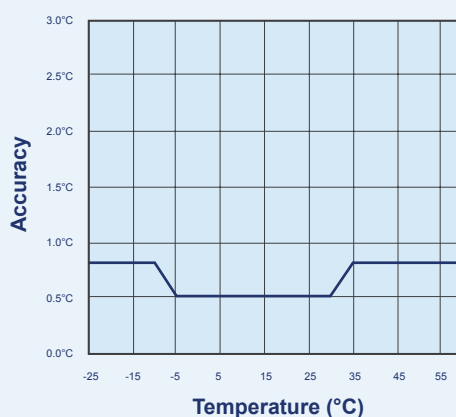Readings are downloaded using LogTag Analyzer® which provides facilities for displaying data in a chart, table or statistical formats and allows electronic archiving, export or transmission of the data in support of sophisticated data management systems.

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. Green OK indicator provides immediate visual confirmation, without access to a PC, that the unit is operating.
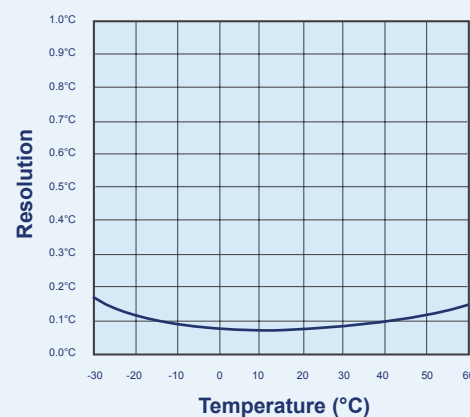
Enclosed in a robust and durable polycarbonate case, the SRIC-4 features a real time clock, which provides date/time stamps for each temperature reading.

Accuracy / Resolution Charts

Rated Absolute Accuracy

Rated Native Resolution

Product Specifications

Product Model	SRIC-4
Sensor Measurement Range	-25°C to +60°C (-13°F to +140°F).
Operating Temperature Range	-25°C to +60°C (-13°F to +140°F).
Storage Temperature Range	0°C to +40°C (32°F to +104°F).
Rated Temperature Reading Accuracy	Better than ±0.5°C (±0.9°F) for -5°C to +30°C. ±0.8°C (±1.5°F) or better for measurements in other areas of rated range. *Actual performance is typically much better than the rated values. Please see the Rated Absolute Accuracy chart below.* *Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	<0.1°C/F *Please see the Rated Native Resolution chart below.* *LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.*
Sensor Reaction Time	Typically less than 5 minutes (T90) in moving air (1m/s).
Recording Capacity	3968 temperature readings. 14 days @ 5min logging, 41 days @ 15min logging.
Sampling Interval	Configurable from 1 minute to 18 hours.
Logging Start Options	Push button start or specific date & time.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Alarms	1 configurable upper and 1 configurable lower alarms.
Download Time	Typically less than 4 seconds for full memory (3968 readings), depending on computer or readout device used.
Environmental	IP65 (roughly equivalent to NEMA 4).
Power Source	3V Li-Mg Battery.
Battery Life	Projected life of 6 months of operation from time of configuration. Shelf life before configuration of up to 2 years (providing a typical operating life of 65 days).
Real Time Clock	Built-in real time clock. Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (I.e typically +/- 0.00294 seconds/day/°C).
Connection Interface	Interface Cradle
Software	LogTag® Analyzer
Size	77mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	28g.
Case Material	Polycarbonate.

Accessories

Protective Enclosure

Wall Mount Bracket

Interface Cradle