LogTag Recorders

USRIC-4 Single-use
USB Temperature Recorder

The USRIC-4 combines all the features of an advanced temperature recorder with a 3937 log memory and a 6-month operating life in a robust and inexpensive package.

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

Designed as a Single-use, cost effective & reliable temperature recorder, the LogTag® USRIC-4 measures and stores real time temperature readings over a measurement range of -25°C to +60°C (-13°F to +140°F).

The USRIC-4 plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions.

A 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. A green OK indicator provides immediate visual confirmation that the unit is operating.
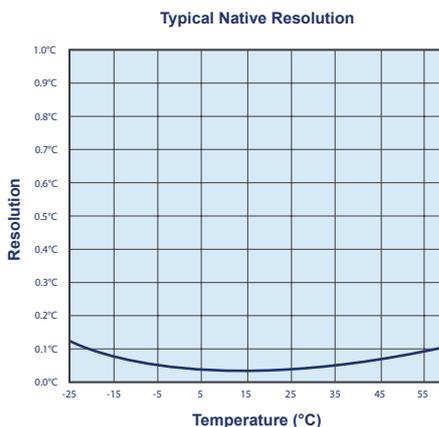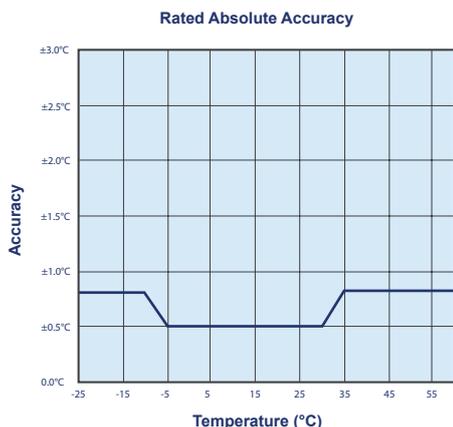
Product Highlights

- Integral USB connector - no separate Interface Cradle required.

- Up to 3,937 real time temperature recordings.

- User configurable options - no need to buy a special recorder for each application.

- Customize start options, logging interval, alert parameters and many more.

- A real time clock provides date/time stamps for each temperature reading.

- Push-to-start button with optional delay or a specific time & date.

- Robust and durable polycarbonate case with lug for secure mounting.

- Suitable for multiple independent receivers, clinical trials and last-mile distribution.

Recommended Applications

Cold Chain

Produce/Meat/Dairy

Agriculture & Floral

Animals

Blood/Organs/Tissue

Pharmaceuticals

Laboratories

Clinical Trials

Chemicals

Museums

Accuracy/Resolution Charts

Rated Absolute Accuracy

Accuracy (±3.0°C to 0.0°C) vs Temperature (°C) (-25 to 55)

Typical Native Resolution

Resolution (0.0°C to 1.0°C) vs Temperature (°C) (-25 to 55)

Accessories

Protective Enclosure

Wall Mount Bracket

Specifications

Product Model	USRIC-4
Measurement Range	-25°C ~ +60°C (-13°F ~ +140°F)
Resolution	0.1°C (0.1°F)
Rated Absolute Accuracy	Better than ±0.5°C (±0.9°F) for measurements from - 5°C to +30°C (23°F to +86°F) Better than ±0.8°C (±1.5°F) for other measurements
Sensor Reaction Time	Typically less than 5 minutes(T90) in moving air (1m/s)
Capacity	3937 real time temperature recordings, non-volatile memory
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.
Download Time	Typically less than 10 seconds from time of insertion to availability of data in LogTag® Analyzer.
Environmental	IEC 60529: IP64 with USB cap fitted
Power Source	3V Lithium battery - non replaceable
Alarm Functions	High/low, single, consecutive and cumulative alarm events, 'OK'/'ALERT' indicators
Connection Interface	USB 2.0, A-type plug
Software	LogTag Analyzer® 2.6 or higher
Battery Life	Shelf life of up to two years before configuration. Six months operating life from the time of configuration.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	31g
Case Material	Polycarbonate

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.

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)
RoHS COMPLIANT 2002/95/EC	Conforms to RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) EU Directive.

LogTag Recorders