USRIC-4 Single-Use USB Temperature Recorder

- Integral USB connector - no separate Interface Cradle required.
- Suitable for multiple independent receivers, clinical trials and last-mile distribution.
- Up to 4,000 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.

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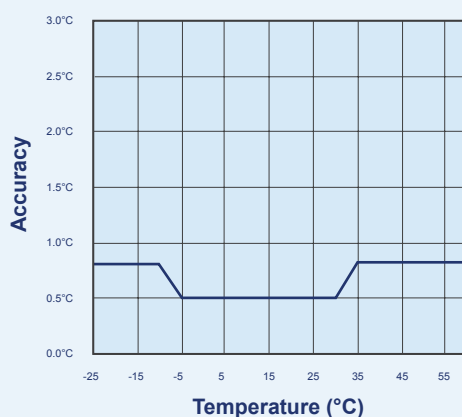
The USRIC-4 plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions.

Readings are downloaded using LogTag Analyzer®, which provides facilities for displaying data in chart, table or statistical formats and allows electronic archiving, export or transmission of the data in support of sophisticated data management systems.
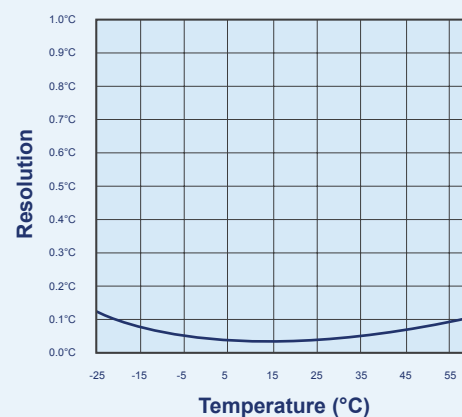
A red ALERT indicator provides an immediate indication - without access to a PC - if any readings are outside the limits specified at the time the unit was configured. A green OK indicator provides immediate visual confirmation that the unit is operating.

Accuracy / Resolution Charts

Rated Absolute Accuracy

Rated Native Resolution

Product Specifications

Product Model	USRIC-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 (23°F to +86°F). ±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	3937 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 (3937 readings), depending on computer or readout device used.
Environmental	IP64 with USB cap fitted.
Power Source	3V Li-Mg Battery.
Battery Life	Shelf life of up to two years before configuration. Six months operating life from the time of configuration.
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	USB 2.0, A-type plug.
Software	LogTag® Analyzer 2.5 or higher.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	30g.
Case Material	Polycarbonate.

Accessories

Protective Enclosure

Wall Mount Bracket