USRIC-8 Single-Use USB PDF Temperature Recorder

- Suitable for multiple independent receivers, clinical trials and last-mile distribution.
- Integral USB connector - no separate Interface Cradle required.
- Automatically generates a PDF report - no special software required.
- Comprehensive customisation options including alert settings, sample interval and trip duration.
- Automatically generates an encrypted LogTag data file for a more detailed analysis.
- Customize start options, logging interval, alert parameters and many more.
- Up to 8,000 recordings - enough for the longest trip.
- Push-to-start button with optional delay or a specific time & date.
- Six user-configurable alarms.

Designed as a Single-use, cost effective & reliable temperature recorder, the LogTag® USRIC-8 measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

The USRIC-8 combines all the features of an advanced temperature recorder with an 8,000 log memory and a 6-month operating life in a robust and inexpensive package.
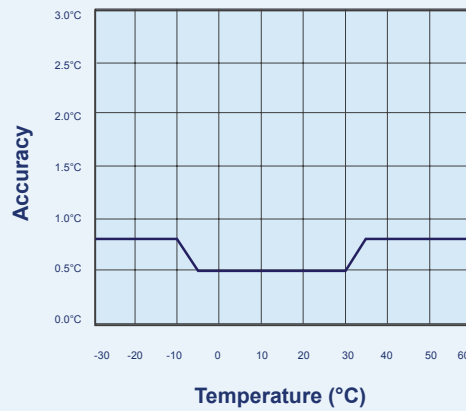
The USRIC-8 plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions for up to six alarms. Upon download, it automatically generates a fully detailed PDF report with the option to download the data using the freely available LogTag® Analyzer software for a more detailed analysis.
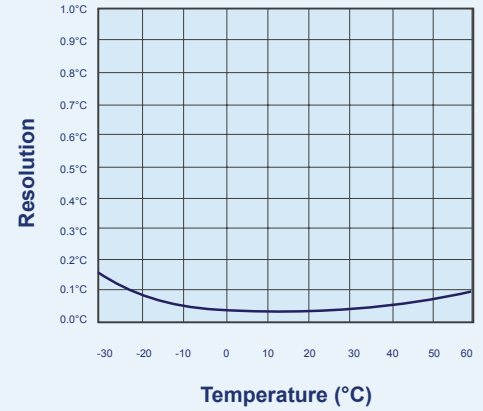
A red ALERT indicator provides an immediate indication - without access to a PC - if any readings are outside the limits specified at the time the unit was configured. A green OK indicator provides immediate visual confirmation that the unit is operating.

Accuracy / Resolution Charts

Rated Absolute Accuracy

Rated Native Resolution

Product Specifications

Product Model	USRIC-8
Sensor Measurement Range	-30°C to +60°C (-22°F to +140°F).
Operating Temperature Range	-30°C to +60°C (-22°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	8,001 temperature readings. 26.6 days @ 5min logging, 80 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	6 user-configurable alarms.
Download Time	Typically with full memory (8,001 readings) in less than 20 seconds from time of insertion to availability of PDF report. Typically less than 10 seconds from time of insertion to availability of LTD file in LogTag® Analyzer (if configured).
Environmental	IEC 60529: 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	PDF Reader, LogTag® Analyzer 2.5 or higher.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	31g.
Case Material	Polycarbonate.

Accessories

Protective Enclosure

Wall Mount Bracket