USRIC-8 SINGLE-USE DATA LOGGER

Product Description

The USRIC-8 Single-Use Data Logger is a cost-effective solution to measure and record real-time temperature readings over a measurement range of -25°C to +60°C (-13°F to +140°F). It features a memory capacity to record up to 8,000 temperature readings, and a 6-month operating life.

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 suggests that the temperature recorder is operating.

Users can configure the device conveniently by plugging the USRIC-8 Temperature Recorder directly into the computer USB for a wide range of recording and alert conditions. No Interface Cradle is required as the temperature recorder has a built-in USB connector. Through the free LogTag Analyzer software, users can download recorded data in a fully detailed PDF report.

Industries Served

• Apparel And Accessory
  Packaging
• Electronics
• Food And Beverage
• Healthcare
• Personal Products
• Pharmaceuticals

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Key features

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

Product Specifications

- Product Model USRIC-8
- 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 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.
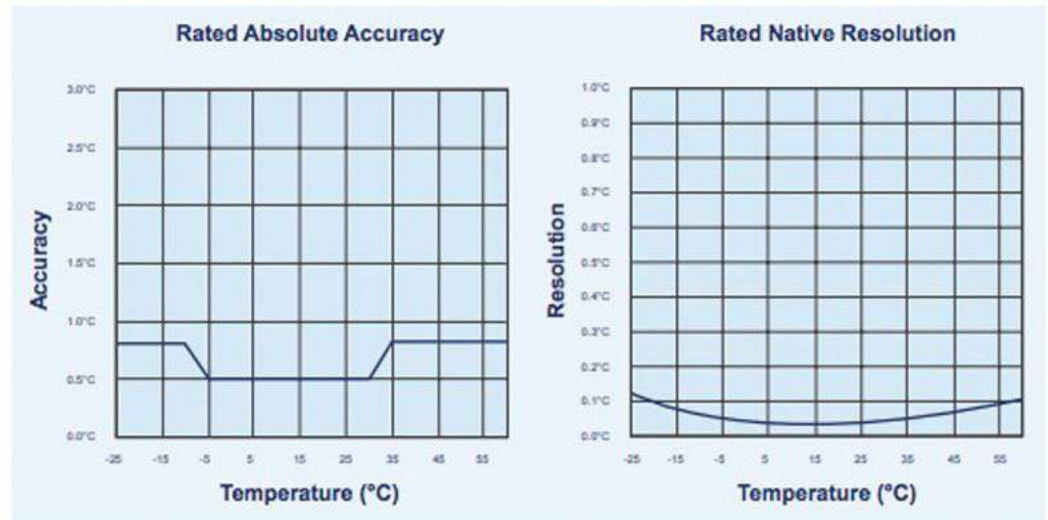- Alarms 1 configurable upper and 1 configurable lower alarms.

Product Specifications

• 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.

Device Accessories

• Protective Enclosure
• Wall Mount Bracket

Related Products

ShockLog @248

ShockWatch @g-view

TempU Temperature Recorder

FlashLink® Mini In-Transit Logger