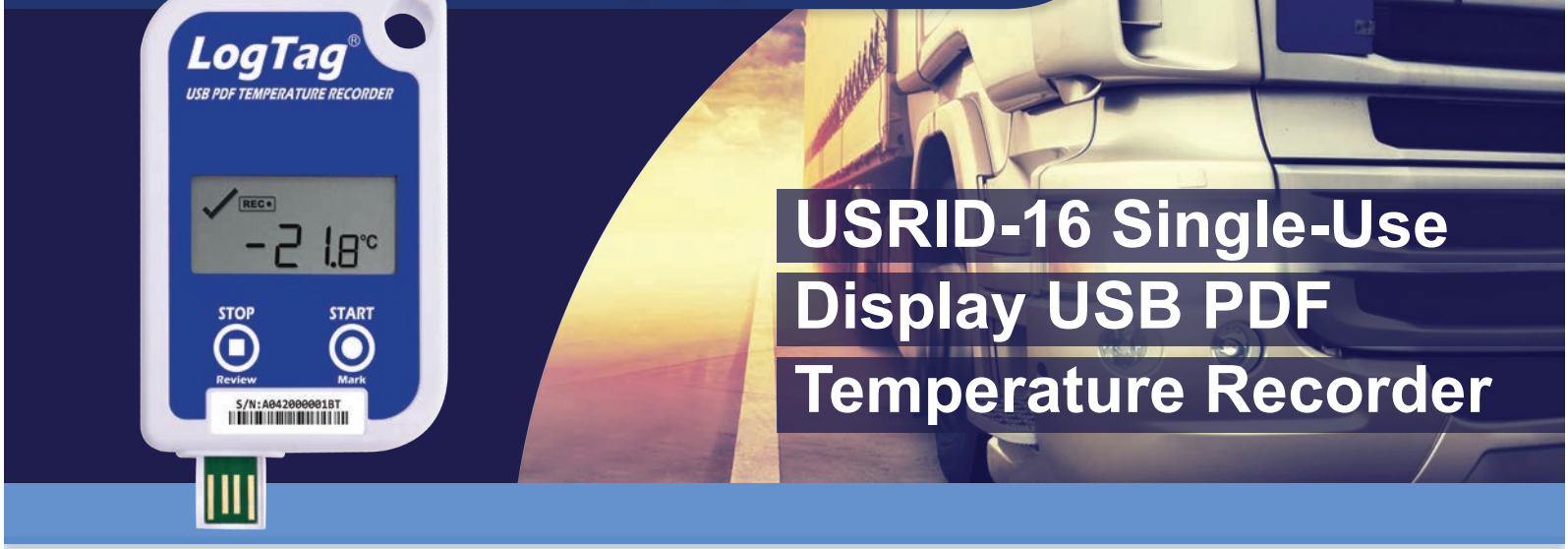


USRID-16 Single-Use Display USB PDF Temperature Recorder

- Suitable for multiple independent receivers, clinical trials and last-mile distribution.
- Integral USB connector - no separate Interface Cradle required.
- Easy to read LCD display with large ✔ or ✖ symbol for easy ‘at-a-glance’ inspection.
- 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.
- Up to 16,000 recordings - enough for the longest trip.
- Push-to-start button with optional delay or a specific time & date.

Designed as a Single-use, cost effective & reliable temperature recorder, the LogTag® USRID-16 measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

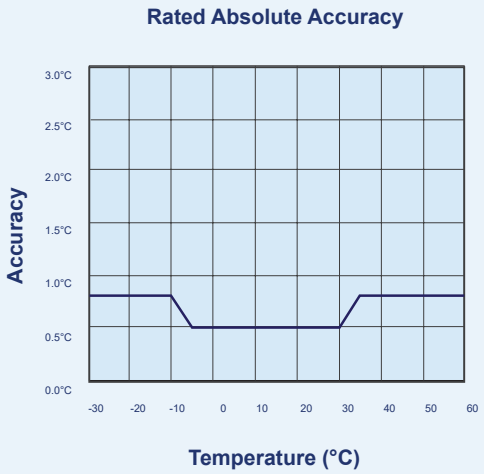
The USRID-16 combines all the features of an advanced temperature recorder with a 16,000 log memory, with a shelf life of up to two years before configuration (in standard hibernation mode) and a 6-month operating life in a robust and inexpensive package.

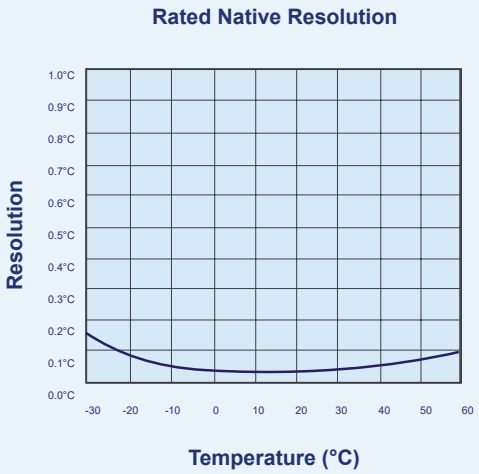
The display is designed to show ‘at a glance’ if there has been a temperature excursion.

The USRID-16 plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions for an upper and lower alarm.

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.

Accuracy / Resolution Charts





Product Specifications

Product Model	USRID-16
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 above.* *Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	Better than 0.1°C or °F. *Please see the Rated Native Resolution chart above.* *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 7 minutes (T90) in moving air (1m/s).
Recording Capacity	16129 temperature readings. 26.6 days @ 5min logging, 80 days @ 15min logging.
Sampling Interval	Configurable from 30 seconds to 18 hours.
Logging Start Options	Push button start or specific date & time. Optional start delay of 1 minute to 72 hours.
Recording Indication	'REC' symbol on display.
Alarms	1 upper and 1 lower alarm.
Download Time	Typically with full memory (16.129 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	Fixed CR2032 non-replaceable battery.
Battery Life	Shelf life of up to two years before configuration (in standard hibernation mode). 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