



## 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.

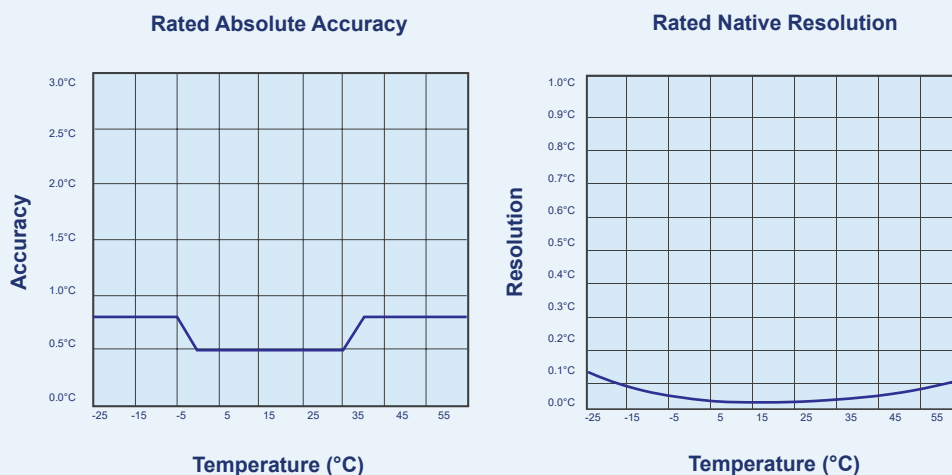
Designed as a Single-use, cost effective & reliable temperature recorder, the LogTag® USRID-16 measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

The USRID-16 combines all the features of an advanced temperature recorder with a 16,000 log memory and a 1 year 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.



## Product Specifications

<b>Product Model</b>	USRID-16
<b>Sensor Measurement Range</b>	-30°C to +60°C (-22°F to +140°F).
<b>Operating Temperature Range</b>	-30°C to +60°C (-22°F to +140°F).
<b>Storage Temperature Range</b>	0°C to +40°C (32°F to +104°F).
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ ( $\pm 0.9^{\circ}\text{F}$ ) for $-5^{\circ}\text{C}$ to $+30^{\circ}\text{C}$ ( $23^{\circ}\text{F}$ to $+86^{\circ}\text{F}$ ). $\pm 0.8^{\circ}\text{C}$ ( $\pm 1.5^{\circ}\text{F}$ ) or better for measurements in other areas of rated range. <i>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.</i>
<b>Rated Temperature Reading Resolution</b>	Better than $0.1^{\circ}\text{C}$ or $^{\circ}\text{F}$ . <i>Please see the Rated Native Resolution chart below. LogTag Analyzer® currently displays to one decimal place of <math>^{\circ}\text{C}</math> or <math>^{\circ}\text{F}</math>. The native resolution is what is stored in the LogTag®.</i>
<b>Sensor Reaction Time</b>	Typically less than 7 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	16129 temperature readings. 26.6 days @ 5min logging, 80 days @ 15min logging.
<b>Sampling Interval</b>	Configurable from 30 seconds to 18 hours.
<b>Logging Start Options</b>	Push button start or specific date & time. Optional start delay of 1 minute to 72 hours.
<b>Recording Indication</b>	'REC' symbol on display.
<b>Alarms</b>	1 upper and 1 lower alarm.
<b>Download Time</b>	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).
<b>Environmental</b>	IEC 60529: IP64 with USB cap fitted.
<b>Power Source</b>	Fixed CR2032 non-replaceable battery.
<b>Battery Life</b>	1 year battery life of normal use (based on 6 minute logging, download data monthly).
<b>Real Time Clock</b>	Built-in real time clock. Rated accuracy $\pm 25\text{ppm}$ @ $25^{\circ}\text{C}$ (equivalent to 2.5 seconds/day). Rated temperature coefficient is $-0.034 \pm 0.006\text{ppm}/^{\circ}\text{C}$ (i.e typically $\pm 0.00294$ seconds/day/ $^{\circ}\text{C}$ ).
<b>Connection Interface</b>	USB 2.0, A-type plug.
<b>Software</b>	PDF Reader, LogTag® Analyzer 2.5 or higher.
<b>Size</b>	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
<b>Weight</b>	31g.
<b>Case Material</b>	Polycarbonate.

## Accessories



Protective Enclosure



Wall Mount Bracket

