

# PLUG AND PLAY TEMPERATURE MONITORING



USRIC-8  
Single-Use PDF USB Temperature Logger

# *LogTag Recorders*

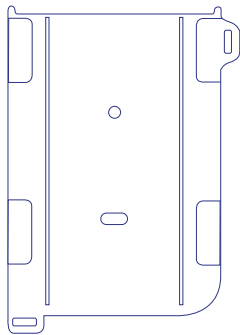


The LogTag® USRIC-8 is a single-use, cost effective & reliable temperature recorder. It measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

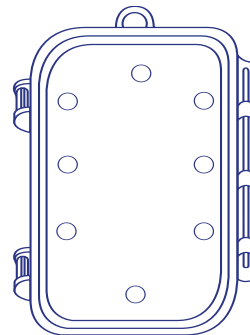
The LogTag® USRIC-8 combines all the features of an advanced temperature recorder with an 8,000 log memory with a shelf life of up to two years before configuration (in standard hibernation mode) and a 6-month fixed battery operating life.

## Accessories

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*Wall Mount*  
*Not Included*



*Protective Enclosure*  
*Not Included*

# Features

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Records temperature from -30°C to +60°C.



Up to 8,000 recordings - enough for the longest trip.



Automatic generation of a PDF, CSV, LTD report without special software.



Six user-configurable alarms.



Push-to-start button with optional delay or a specific time & date.



Comprehensive customization options including alert settings, sample interval and trip duration.



Integral USB connector - no separate Interface Cradle required.



Fixed battery provides 2 years storage, followed by 6 months normal use.

# Applications

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Transportation



Perishables Transport



Produce Transport



Pharmaceutical Transport



Vaccines Transport

# Specifications

<b>Product Model</b>	USRIC-8
<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. Accuracy figures can be improved by recalibration.</i>
<b>Rated Temperature Reading Resolution</b>	< 0.1°C/F <i>LogTag Analyzer<sup>®</sup> currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag<sup>®</sup>.</i>
<b>Sensor Reaction Time</b>	Typically less than 5 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	8,001 temperature readings. 27 days @ 5min logging, 80 days @ 15min logging.
<b>Sampling Interval</b>	Configurable from 1 minute to 18 hours.
<b>Logging Start Options</b>	Push button start or specific date & time.
<b>Recording Indication</b>	Flashing 'OK' indicator / flashing 'ALERT' indicator.
<b>Alarms</b>	6 user-configurable alarms.
<b>Download Time</b>	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 <sup>®</sup> Analyzer (if configured).
<b>Environmental</b>	IEC 60529: IP64 with USB cap fitted.
<b>Power Source</b>	CR2032 3V LiMnO <sub>2</sub> Battery (Fixed).
<b>Battery Life</b>	2 years storage, followed by 6 months normal use.
<b>Real Time Clock</b>	Built-in real time clock. Rated accuracy $\pm 25\text{ppm}$ @ 25°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/°C).
<b>Connection Interface</b>	USB 2.0, A-type plug.
<b>Software</b>	PDF Reader, LogTag <sup>®</sup> 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.

