

# SINGLE-USE USB TEMPERATURE LOGGER



USRIC-4

Single-Use USB Temperature Recorder

***LogTag Recorders***

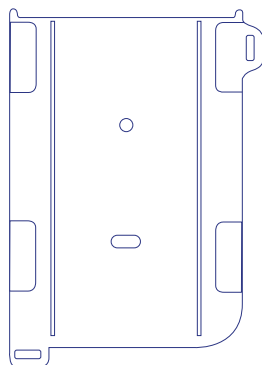


The LogTag® USRIC-4 is a single-use, cost effective & reliable temperature recorder, measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

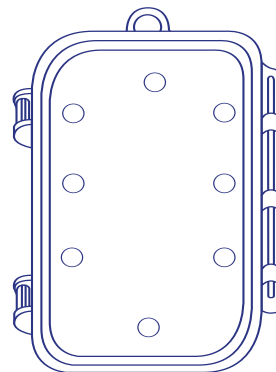
The LogTag® USRIC-4 combines all the features of an advanced temperature recorder with a 4,000 log memory and a 6-month operating life in a robust and inexpensive package.

## Accessories

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*Wall Mount*  
Not Included



*Protective Enclosure*  
Not Included

# Features

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Records temperature from  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .



Customize start options, logging interval, alert parameters and many more.



Real time clock provides date/time stamp for every recording.



Integral USB connector - no separate Interface Cradle required.



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



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

# Applications

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Transportation



Perishables Transport



Produce Transport



Pharmaceutical Transport

# Specifications

<b>Product Model</b>	USRIC-4.
<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. Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
<b>Rated Temperature Reading Resolution</b>	< 0.1°C/F LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.
<b>Sensor Reaction Time</b>	Typically less than 5 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	3937 temperature readings. 14 days @ 5min logging, 41 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>	1 configurable upper and 1 configurable lower alarms.
<b>Download Time</b>	Typically less than 4 seconds for full memory (3937 readings), depending on computer or readout device used.
<b>Environmental</b>	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 $\pm 25\text{ppm}$ @ $25^{\circ}\text{C}$ (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>	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>	30g.
<b>Case Material</b>	Polycarbonate.

