

PLUG AND PLAY TEMPERATURE MONITORING



LogTag[®]

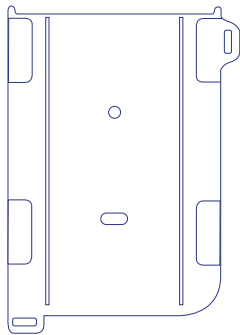
USRIC-16
Single-Use PDF USB
Temperature Logger



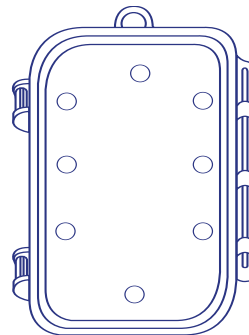
The LogTag® USRIC-16 is a single-use, cost effective & reliable temperature recorder. It measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

The LogTag® USRIC-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 fixed battery operating life.

Accessories



Wall Mount
Not Included



Protective Enclosure
Not Included

Features



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



Up to 16,000 recordings, enough for the longest trip.



Automatic generation of a PDF, CSV, LogTag® Data report without special software.



Six user-configurable alarms.



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



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



Built-in integrated USB connector without the need for a separate Interface Cradle.



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

Applications



Transportation



Perishables Transport



Produce Transport



Pharmaceutical Transport



Vaccines Transport

Specifications

Product Model	USRIC-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 $\pm 0.5^{\circ}\text{C}$ for -5°C to $+30^{\circ}\text{C}$ Better than $\pm 0.8^{\circ}\text{C}$ or better for measurements in other areas of rated range <i>Actual performance is typically much better than the rated values.</i> <i>Accuracy figures can be improved by recalibration.</i>
Rated Temperature Reading Resolution	$< 0.1^{\circ}\text{C}/^{\circ}\text{F}$ <i>LogTag Analyzer currently displays to one decimal place of $^{\circ}\text{C}$ or $^{\circ}\text{F}$. The native resolution is what is stored in the LogTag[®].</i>
Sensor Reaction Time	Typically less than 7 minutes (T90) in moving air (1m/s) EN12830:1999
Recording Capacity	16,129 temperature readings. 56 days @ 5min logging, 168 days @ 15min logging
Sampling Interval	Logging interval is configurable from 1 minute to 18 hours. (Typically 5 minute logging)
Logging Start Options	Push button start or specific date & time. Optional start delay (1min to 72 hours)
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator
Alarms	6 user-configurable alarms
Download Time	Typically 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	CR2032 3V LiMnO ₂ Battery (Fixed)
Battery Life	2 years storage, followed by 6 months normal use
Real Time Clock	Built-in real time clock Typical 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 ± 0.00294 seconds/day/ $^{\circ}\text{C}$)
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

