

SINGLE-USE USB TEMPERATURE LOGGER



USRIC-4

Single-Use USB Temperature Recorder

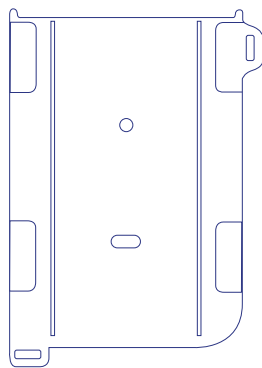
LogTag Recorders



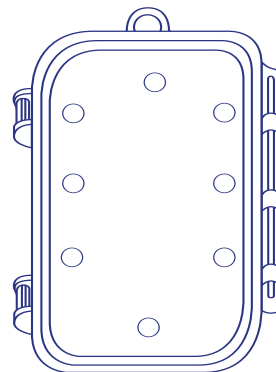
The LogTag® USRIC-4 is a single-use, cost effective & reliable temperature recorder, measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F).

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



Wall Mount
Not Included



Protective Enclosure
Not Included

Features



Records temperature from -30°C to +60°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



Transportation



Perishables Transport



Produce Transport



Pharmaceutical Transport

Specifications

Product Model	USRIC-4.
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 $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) for -5°C to $+30^{\circ}\text{C}$ (23°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.
Rated Temperature Reading Resolution	$< 0.1^{\circ}\text{C}/^{\circ}\text{F}$ 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®.
Sensor Reaction Time	Typically less than 5 minutes (T90) in moving air (1m/s).
Recording Capacity	3937 temperature readings. 14 days @ 5min logging, 41 days @ 15min logging.
Sampling Interval	Configurable from 1 minute to 18 hours.
Logging Start Options	Push button start or specific date & time.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Alarms	1 configurable upper and 1 configurable lower alarms.
Download Time	Typically less than 4 seconds for full memory (3937 readings), depending on computer or readout device used.
Environmental	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. 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 ± 0.00294 seconds/day/ $^{\circ}\text{C}$).
Connection Interface	USB 2.0, A-type plug.
Software	LogTag® Analyzer 2.5 or higher.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T) including protective USB cap.
Weight	30g.
Case Material	Polycarbonate.

