



## TRIX-16 High Memory Capacity Temperature Recorder

- A real time clock provides date/time stamps for each temperature reading.
- Push-to-start button with optional delay or a specific time & date.
- Comprehensive customisation options including alert settings, sample interval and trip duration.
- Robust and durable polycarbonate case with lug for secure mounting.
- Up to 16,000 recordings - enough for the longest trip.
- In-transit inspections can be recorded at the push of a button.
- Complies with industry standards including EN12830, FCC, CE, C-TICK and RoHS.
- Industry best download time - less than 10 seconds for full memory.

The LogTag® TRIX-16 is a versatile, wide range, multi-trip Temperature Recorder, featuring high resolution temperature readings over a measurement range of -40°C to +85°C (-40°F to +185°F).

Enclosed in a robust and durable polycarbonate case, the TRIX-16 features a real time clock, which provides date/time stamps for each temperature reading.

Using the LogTag® Interface and the freely available companion software LogTag Analyzer, the LogTag® is easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the ALERT indicator.

Readings are downloaded using LogTag® Analyzer, which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as Excel.

The LogTag® TRIX-16 complies with the relevant international standards for temperature monitoring devices, such as FCC, CE, C-TICK, and RoHS.

This not only demonstrates the quality of the LogTag® TRIX-16, but underlines its suitability for temperature monitoring applications where accuracy and consistency is required.

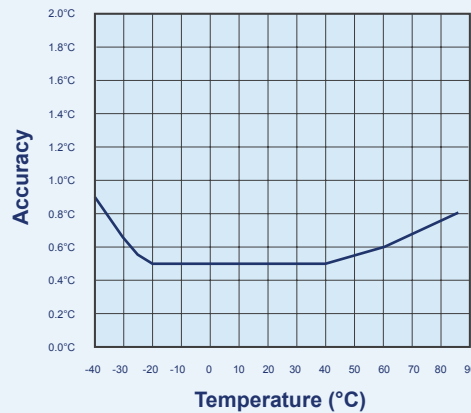
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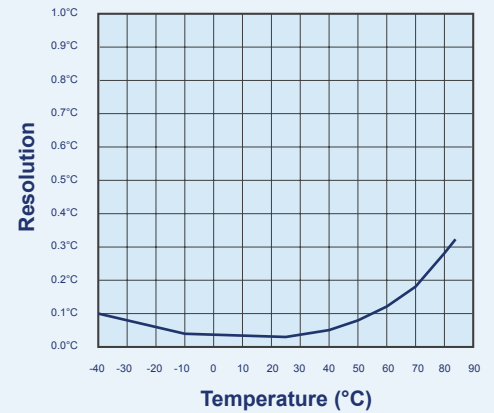


## Accuracy / Resolution Charts

Rated Absolute Accuracy



Rated Native Resolution



## Product Specifications

<b>Product Model</b>	TRIX-16
<b>Sensor Measurement Range</b>	-40°C to +85°C (-40°F to +185°F).
<b>Operating Temperature Range</b>	-40°C to +85°C (-40°F to +185°F).
<b>Storage Temperature Range</b>	-30°C to +55°C (-22°F to +131°F).
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ for $-20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ . Better than $\pm 0.7^{\circ}\text{C}$ for $-30^{\circ}\text{C}$ to $-20^{\circ}\text{C}$ and $+40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ . Better than $\pm 0.8^{\circ}\text{C}$ for $+60^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ . Better than $\pm 0.9^{\circ}\text{C}$ for $-40^{\circ}\text{C}$ to $-30^{\circ}\text{C}$ . <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>	Less than $0.1^{\circ}\text{C}$ for $-40^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ . Less than $0.2^{\circ}\text{C}$ for $+40^{\circ}\text{C}$ to $+80^{\circ}\text{C}$ . Less than $0.4^{\circ}\text{C}$ for $+80^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ . <i>Please see the Rated Native Resolution chart below. LogTag Analyzer<sup>®</sup> 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<sup>®</sup>.</i>
<b>Sensor Reaction Time</b>	Typically less than 5 minutes (T90) in moving air (1m/s).
<b>Recording Capacity</b>	16,159 temperature readings. 112 days @ 10min logging, 168 days @ 15min logging.
<b>Sampling Interval</b>	Configurable from 30 seconds to several hours.
<b>Logging Start Options</b>	Push button start or specific date & time. Optional start delay of up to 18 hours.
<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 10 seconds for full memory (16,159 readings), depending on computer or readout device used.
<b>Environmental</b>	IP65 (roughly equivalent to NEMA 4).
<b>Power Source</b>	3V Li-Mg Battery.
<b>Battery Life</b>	2 – 3 years of normal use (based on 15 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>	Interface Cradle
<b>Software</b>	LogTag <sup>®</sup> Analyzer
<b>Size</b>	86mm(H) x 54.5mm(W) x 8.6mm(T).
<b>Weight</b>	33g.
<b>Case Material</b>	Polycarbonate.

## Accessories



Protective Enclosure



Wall Mount Bracket



Interface Cradle

