

# HIGH MEMORY CAPACITY RECORDER



TRIX-16

Multi-Use Temperature Logger with Internal Sensor

***LogTag Recorders***

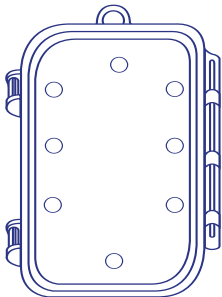


The LogTag® TRIX-16 is a versatile, wide range, multi-trip Temperature Recorder, featuring high resolution temperature readings over a measurement range of -40°C to +85°C (-40°F to +185°F) for up to 16,000 recordings - enough for the longest trip.

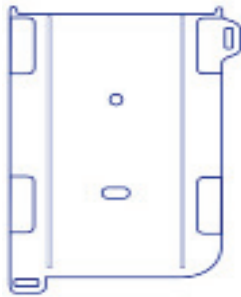
The LogTag® TRIX-16 features a real time clock, which provides date/ time stamps for each temperature reading and complies with the relevant international standards for temperature monitoring devices, such as FCC, CE, C-TICK, and RoHS.

## Accessories

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*Protective Enclosure*  
Not Included



*Wall Mount*  
Not Included



*LTI-HID*  
Not Included



*LTI-WiFi*  
Not Included

# Features

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



A real time clock provides date/time stamps for each temperature reading.



In-transit inspections at the push of a button.



Industry best download time - less than 10 seconds for full memory.



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



Fixed Battery of 1 year storage, followed by 2 – 3 years of normal use.

# Applications



Medical



Freight Transportation



Warehouse



Food Safety



Laboratories



Farming

# 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. 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>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>	CR2450 3V LiMnO <sub>2</sub> Battery (Fixed).
<b>Battery Life</b>	1 year storage, followed by 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.

