LogTag Recorders

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.

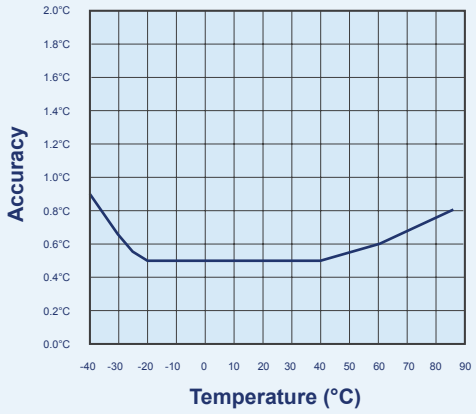
The LogTag® TRIX-16 complies with the relevant international standards for temperature monitoring devices, such as FCC, CE, C-TICK, and RoHS.

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.

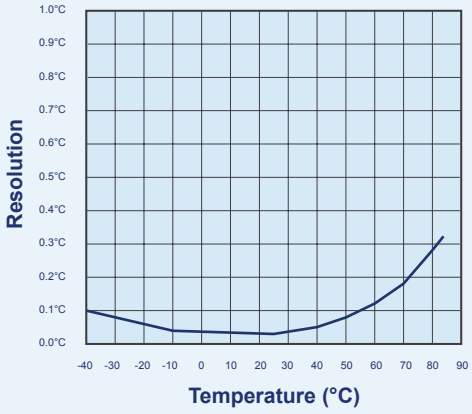
LogTag Recorders

Accuracy / Resolution Charts

Rated Absolute Accuracy



Rated Native Resolution



Product Specifications

Product Model	TRIX-16
Sensor Measurement Range	-40°C to +85°C (-40°F to +185°F).
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F).
Storage Temperature Range	-30°C to +55°C (-22°F to +131°F).
Rated Temperature Reading Accuracy	Better than ±0.5°C for -20°C to +40°C. Better than ±0.7°C for -30°C to -20°C and +40°C to +60°C. Better than ±0.8°C for +60°C to +85°C. Better than ±0.9°C for -40°C to -30°C. *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.*
Rated Temperature Reading Resolution	Less than 0.1°C for -40°C to +40°C. Less than 0.2°C for +40°C to +80°C. Less than 0.4°C for +80°C to +85°C. *Please see the Rated Native Resolution chart below.* *LogTag Analyzer® currently displays to one decimal place of °C or °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	16,159 temperature readings. 112 days @ 10min logging, 168 days @ 15min logging.
Sampling Interval	Configurable from 30 seconds to several hours.
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 18 hours.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Alarms	1 configurable upper and 1 configurable lower alarms.
Download Time	Typically less than 10 seconds for full memory (16,159 readings), depending on computer or readout device used.
Environmental	IP65 (roughly equivalent to NEMA 4).
Power Source	3V Li-Mg Battery.
Battery Life	2 – 3 years of normal use (based on 15 minute logging, download data monthly).
Real Time Clock	Built-in real time clock. Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°C (I.e typically +/- 0.00294 seconds/day/°C).
Connection Interface	Interface Cradle
Software	LogTag® Analyzer
Size	86mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	33g.
Case Material	Polycarbonate.

Accessories


Protective Enclosure


Wall Mount Bracket


Interface Cradle