DATASHEET

# TRIX-16

LogTag

Distributed by AKRIBIS

# HIGH MEMORY CAPACITY RECORDER

LogTag®

# TRIX-16

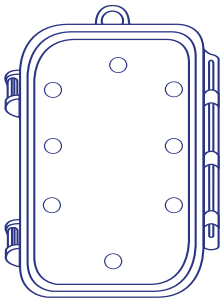
## Multi-Use Temperature Logger with Internal Sensor

AKRIBIS · www.akribis.info · contacto@akribis.info

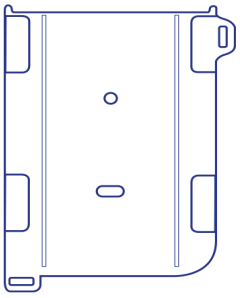
The LogTag® TRIX-16 is a versatile, wide range, multi-trip Temperature Recorder, featuring high resolution temperature readings over a measurement range of -40°C to +85°C (-40°F to +185°F) for up to 16,000 recordings - enough for the longest trip.

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



*Protective Enclosure*
*Not Included*



*Wall Mount*
*Not Included*

*LTI-HID*
*Not Included*

# Features

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.

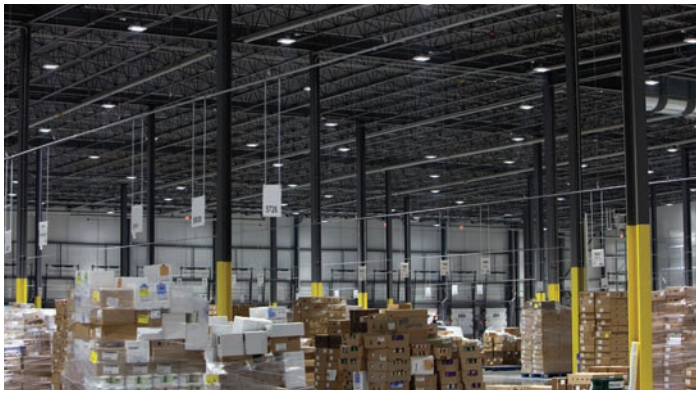
Comprehensive customization options including alarm settings, sample interval and trip duration.

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

# Applications

Medical

Freight Transportation



Warehouse

Food Safety

Laboratories

Farming

# Specifications

| | |
|---|---|
| **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.<br>Better than ±0.7°C for -30°C to -20°C and +40°C to +60°C.<br>Better than ±0.8°C for +60°C to +85°C.<br>Better than ±0.9°C for -40°C to -30°C.<br>*Actual performance is typically much better than the rated values.*<br>*Accuracy figures can be improved by recalibration.* |
| **Rated Temperature Reading Resolution** | Less than 0.1°C for -40°C to +40°C.<br>Less than 0.2°C for +40°C to +80°C.<br>Less than 0.4°C for +80°C to +85°C.<br>*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** | CR2450 3V $LiMnO_2$ Battery (Fixed). |
| **Battery Life** | 1 year storage, followed by 2 – 3 years of normal use (based on 15 minute logging, download data monthly). |
| **Real Time Clock** | Built-in real time clock.<br>Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day).<br>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. |



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