# LogTag®

## TRIX-8 MULTI USE TEMPERATURE RECORDER

The LogTag® Temperature Recorder measures and stores up to 8000 temperature readings over a -40°C to +85°C (-40°F to +185°F) measurement range. It incorporates an external temperature sensor uniquely arranged in a recess in the case, protecting it from damage but still providing a fast reaction time more associated with remote temperature sensors.

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.
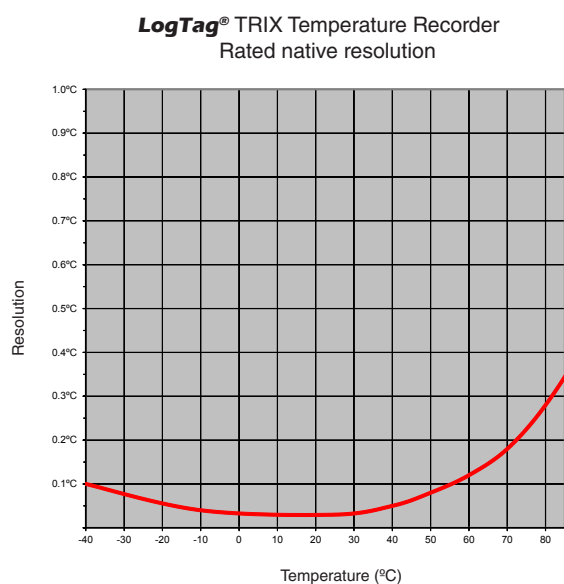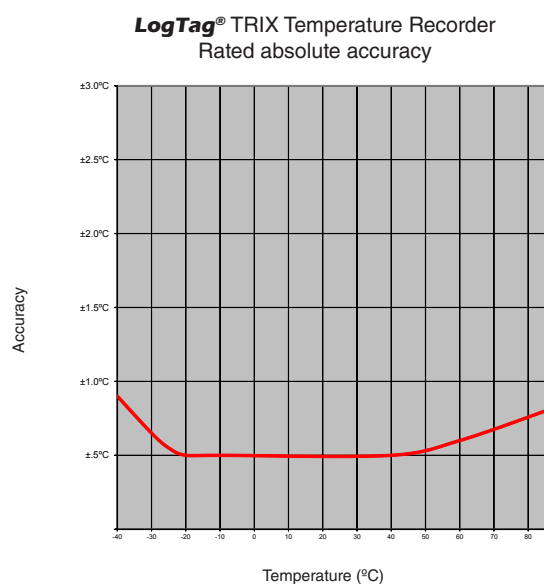
**Product code: TRIX-8**

## Product Highlights

- *Alert indicator* indicates if readings are outside of preset limits
- *OK indicator* indicates if still recording and if readings within configured limits
- *Inspection mark* in log by push button
- *Push Button Logging start* with optional delayed start or specific Time & Date start
- *Rapid Download!* Takes only seconds to download recordings
- '*Pre-Start' logging* - LogTag® can be configured to record even if it has not been started.
- *High performance* at low cost
- *Credit card sized case* – thin enough to be easily mailed "letter rate".
- *Real time clock* records time & temperature simultaneously
- *Easy* to use LogTag Analyser software that runs on any PC configures LogTag® for recording then downloads resulting data for analysis. Data can also be exported to fomats compatible with other applications such as Excel
- Re-calibration to achieve higher accuracy possible
- *Highly Reliable and Accurate*

# LogTag® TRIX-8 Technical Specifications

| | |
|---|---|
| *LogTag®* Part Code | TRIX-8 |
| Recorder Sensor Measurement range | -40°C ~ +85°C  (-40°F ~ +185°F) |
| Recorder operating temperature range | -40°C ~ +85°C  (-40°F ~ +185°F). |
| Rated temperature reading accuracy | ±0.5°C for -20°C~ +40°C<br>better than ±0.7°C for -30°C ~ -20°C and +40°C ~ +60°C<br>better than ±0.8°C for +60°C ~ +85°C<br>better than ±0.9°C for -40°C ~ -30°C<br>Actual performance is typically much better than the rated values<br>Please see the accuracy chart below<br>Accuracy figures can be improved by recalibration |
| Rated temperature reading resolution | less than 0.1°C for  -40°C ~ +40°C,<br>less than 0.2°C for +40°C ~ +80°C,<br>less than 0.4°C for +80°C ~ +85°C<br>Please see the typical resolution chart below<br>LogTag Analyzer currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®. |
| Recording capacity | Data logging memory : 8000 temperature readings (16Kbytes memory) |
| Sampling Interval | configurable from 30 seconds to several hours |
| Download time | typically less than 5 seconds for full memory, depending on computer or readout device used |
| Environmental | IP65 |
| Power Source | 3V Lithium  - replaceable by qualified technician |
| Battery Life | 2~3 years typical use – longer (up to 5-10 years) if recorder is hibernated between uses. |
| Real Time Clock | Installed with real time clock.<br>Rated accuracy ±25ppm @ 25°C (equiv to 2.5 seconds/day)<br>Rated temperature coefficient is -0.034±0.006ppm/°C (i.e<br>typically +/- 0.00294seconds/day/°C) |
| Size | 86mm(H)x54.5mm(W)x8.6mm(T) |
| Weight | 35grams |
| Case Material | Polycarbonate |
| EMC Compliance | Complies with EC EMC directives (EN 61000-6-3:2006 & EN 61000-6-1:2005)<br>Complies with FCC Part 15 Subparts A and B. |
| EN12380 Compliance | Tested and complies to EN12830:1999 for transport, storage and distribution of chilled, frozen, deep frozen, quick-frozen food and others. |
| FDA 21CFR Part 11 Compliance | Designed to comply with FDA 21CFR Part 11 (Digital signatures) |
| RoHS | Manufactured to meet the European RoHS Directive |

# LogTag® TRIX-8 Accuracy/Resolution Charts



**LogTag®** TRIX Temperature Recorder
Rated absolute accuracy



**LogTag®** TRIX Temperature Recorder
Rated native resolution

NOTE: INFORMATION AND SPECIFICATIONS SUBJECT TO CHANGE
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