

# MULTI-USE LOGGER FOR ANY INDUSTRY



**LogTag**

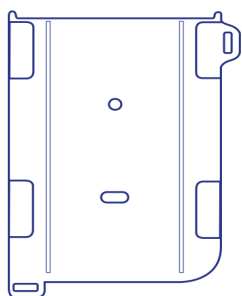
**TREX-8**  
Multi-Use External Probe Logger



The LogTag® TREX-8 is a versatile, wide range, multi-trip Temperature Recorder with interchangeable External Probes, featuring high resolution temperature readings over a measurement range of -40°C to +99°C (-40°F to +210°F).

LogTag remote temperature probes are interchangeable provided they are changed with LogTag ST100 type remote temperature sensors.

## Accessories



**Wall Mount**  
Not Included



**LTI-HID**  
Not Included



**LTI-WiFi**  
Not Included



**Glycol Buffer**  
Not Included

*Compatible probes below:*



**External Probe**  
Not Included. (Required)

*Probes are available with a 1.5m or 3m cable.  
E.g. ST100J-15 for 1.5m or ST100J-30 for 3m cable.*

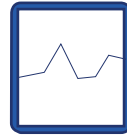
<b>ST100J</b>	40mm tip length, ø3.2mm.
<b>ST100K</b>	65mm tip length, ø3.2mm.
<b>ST100L</b>	90mm tip length, ø3.2mm.
<b>ST100S</b>	30mm tip length, ø5mm.
<b>ST100T</b>	140mm tip length, ø5mm.
<b>ST100H</b>	Handled with 105mm tip length, ø5mm.
<b>STX50</b>	5 Meter extension cable for ST10/ST100 probes.

# Features

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



Up to 8,000 recordings - enough for the longest trip.



In-transit inspections at the push of a button.



Industry best download time - less than 5 seconds for full memory.



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



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



Interchangeable External Probe with high quality gold plated connector.

# Applications

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Pharmaceuticals



Farming



Warehouse



Transportation



Laboratories



Medical

# Specifications

<b>Product Model</b>	TREX-8
<b>External Temperature Sensor Measurement Range</b>	-40°C to +99°C (-40°F to +210°F).
<b>Operating Temperature Range</b>	-40°C to +85°C (-40°F to +185°F).
<b>Storage Temperature Range</b>	-10°C to +55°C (14°F to +131°F).
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5^{\circ}\text{C}$ ( $\pm 0.9^{\circ}\text{F}$ ) for -10°C to +40°C (14°F to +104°F). Better than $\pm 0.7^{\circ}\text{C}$ ( $\pm 1.3^{\circ}\text{F}$ ) for -30°C to -10°C (-22°F to 14°F) & +40°C to +60°C (104°F to 140°F). Better than $\pm 0.8^{\circ}\text{C}$ ( $\pm 1.4^{\circ}\text{F}$ ) for -40°C to -30°C (-40°F to -22°F) & +60°C to +80°C (140°F to 176°F). Better than $\pm 1.0^{\circ}\text{C}$ ( $\pm 1.8^{\circ}\text{F}$ ) for +80°C to +99°C (176°F to 210°F). <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°C (0.2°F) for measurements -40°C to +40°C (-40°F to +104°F). Less than 0.2°C (0.4°F) for measurements +40°C to +80°C (+104°F to +176°F). Less than 0.6°C (0.5°F) for measurements +80°C to +99°C (+176°F to +210°F). <i>LogTag Analyzer<sup>®</sup> currently displays to one decimal place of °C or °F.</i>
<b>Sensor Reaction Time</b>	Typically less than 2 minutes (T90) in moving air (1m/s) for ST100T, ST100H & ST100S types.
<b>Recording Capacity</b>	8031 temperature readings. 53 days @ 10min logging, 80 days @ 15min logging.
<b>Sampling Interval</b>	Configurable from 30 seconds to 18 hours.
<b>Logging Start Options</b>	Push button start or specific date & time. Optional start delay of up to 72 hours.
<b>Recording Indication</b>	Flashing 'OK' indicator / flashing 'ALERT' indicator.
<b>Download Time</b>	Typically less than 5 seconds for full memory (8031 readings), depending on computer or readout device used.
<b>Environmental</b>	IP61
<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°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is $-0.034 \pm 0.006\text{ppm}/^{\circ}\text{C}$ (i.e typically +/- 0.00294 seconds/day/°C).
<b>Standard Remote Sensor Cable Length</b>	Standard: 1.5m (4'11") Extended: 3m (9'10") (Recommended maximum).
<b>Remote Sensor Cable Type</b>	PTFE (FDA food contact rated), coaxial
<b>Size</b>	86mm(H) x 54.5mm(W) x 8.6mm(T).
<b>Weight</b>	36g (without External Probe)
<b>Case Material</b>	Polycarbonate.

