

TREX-8 Multi-Use With External Probe

- 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 8,000 recordings - enough for the longest trip.
- In-transit inspections can be recorded at the push of a button.
- Complies with industry standards including FCC, CE, C-TICK and RoHS.
- Interchangeable External Probe with high quality gold plated connector.
- Industry best download time - less than 5 seconds for full memory.

The LogTag® TREX-8 is a versatile, wide range, multitrip 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).

Interchangeable Remote Probes – LogTag remote temperature probes are interchangeable provided they are changed with LogTag ST100 type remote temperature sensors.

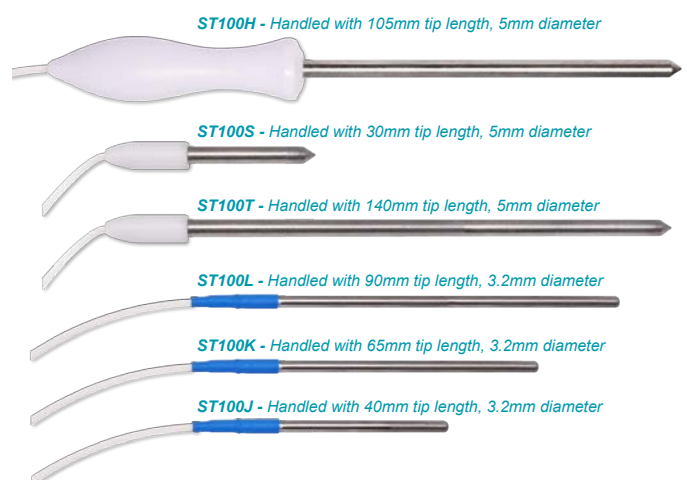
Using the LogTag® Interface and LogTag's freely available companion software LogTag® Analyzer, the LogTag is easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the ALERT 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® TREX-8 complies with the relevant international standards for temperature monitoring devices: FCC, CE, C-TICK and RoHS. This demonstrates the quality and suitability of the LogTag® TREX-8 for temperature monitoring applications where accuracy and consistency is required.

The LogTag® TREX-8 requires an external Temperature Probe to function correctly. LogTag® have a range of FDA food rated high quality ST100 probes for you to select one best suited for your application.

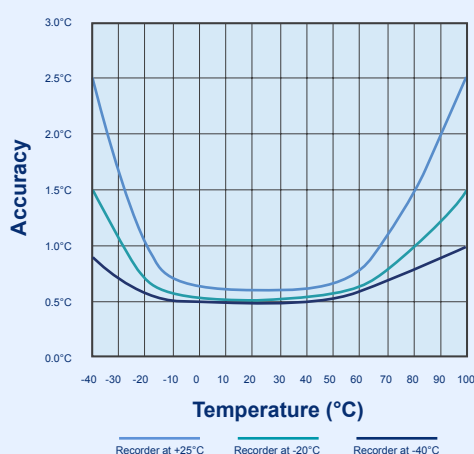
All probes are terminated with a high quality gold plated MCX connector & industrial strength PTFE coaxial cable. All ST100 external probes are interchangeable whilst still maintaining published accuracy.



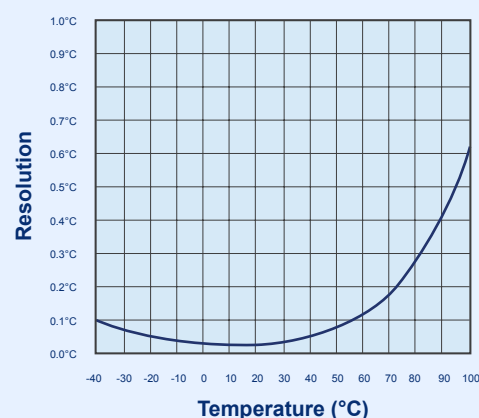
Accuracy / Resolution Charts



Rated Absolute Accuracy



Rated Native Resolution



Product Specifications

Product Model	TREX-8
External Temperature Sensor Measurement Range	-40°C to +99°C (-40°F to +210°F).
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F).
Storage Temperature Range	-10°C to +55°C (14°F to +131°F).
Rated Temperature Reading Accuracy	Better than $\pm 0.5^{\circ}\text{C}$ for -10°C to $+40^{\circ}\text{C}$. Better than $\pm 0.7^{\circ}\text{C}$ for -10°C to -30°C & $+40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$. Better than $\pm 0.8^{\circ}\text{C}$ for -30°C to -40°C & $+60^{\circ}\text{C}$ to $+80^{\circ}\text{C}$. Better than $\pm 1.0^{\circ}\text{C}$ for $+80^{\circ}\text{C}$ to $+99^{\circ}\text{C}$. <i>Actual performance is typically much better than the rated values. Please see the Rated Absolute Accuracy chart above. Accuracy figures can be improved by recalibration.</i>
Rated Temperature Reading Resolution	Less than 0.1°C for -40°C to $+40^{\circ}\text{C}$. Less than 0.2°C for $+40^{\circ}\text{C}$ to $+80^{\circ}\text{C}$. Less than 0.6°C for $+80^{\circ}\text{C}$ to $+99^{\circ}\text{C}$. <i>Please see the Rated Native Resolution chart below. LogTag Analyzer® currently displays to one decimal place of °C or °F.</i>
Sensor Reaction Time	Typically less than 2 minutes (T90) in moving air (1m/s) for ST100T, ST100H & ST100S types.
Recording Capacity	8031 temperature readings. 53 days @ 10min logging, 80 days @ 15min logging.
Sampling Interval	Configurable from 30 seconds to 18 hours.
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 72 hours.
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator.
Download Time	Typically less than 5 seconds for full memory (8031 readings), depending on computer or readout device used.
Environmental	IP61
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 $\pm 25\text{ppm}$ @ 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).
Standard Remote Sensor Cable Length	Standard: 1.5m (4'11") Extended: 3m (9'10") (Recommended maximum).
Remote Sensor Cable Type	PTFE (FDA food contact rated), coaxial
Size	86mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	36g (without External Probe)
Case Material	Polycarbonate.

