

LOGTAG RECORDERS

TREX-8 External Probe Temperature Recorder



The Trex-8 External Probe Temperature Recorder measures and stores up to 8000 temperature readings over -40°C to $+99^{\circ}\text{C}$ (-40°F to $+176^{\circ}\text{F}$) measurement range.

Using the LogTag USB Interface and its freely available companion software *LogTag Analyser*, the Trex-8 is easily set up for recording conditions including delayed start, sampling interval, number of readings and configuration of conditions to activate the *ALERT* indicator.

As well as enabling the readings to be downloaded, the LogTag Analyser provides facilities for charting, zooming,

listing data statistics and allows exporting the data to other applications such as Excel.

Key Features:

- Alert indicator - indicates if readings are outside 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
- Rapid download - it takes only seconds to download recordings
- 'Pre-Start' logging - can be configured to record even if it has not been started
- Real time clock records time and temperature simultaneously
- Re-calibration possible to achieve higher accuracy
- High quality, gold plated external sensor connector
- Interchangeable probes
- Credit card sized
- High performance at low cost

Simply plug the Trex-8 into the LogTag USB interface and download the data in seconds utilising the FREE LogTag Analyser software. The data is then displayed in graphical form, can be saved, emailed or exported to excel for further analysis.

For further information on the LogTag range of products please contact us.



For more information about this or any other product please contact us on:

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Technical Specification

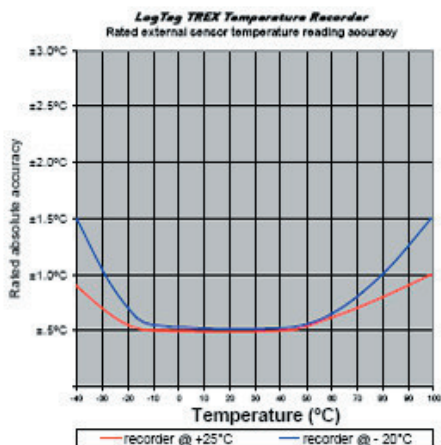
Model TREX-8

Ext Temp Sensor Measurement Range -40°C ~ +99°C (-40°F ~+210°F)

Recorder Operating Temperature Range -20°C ~ +85°C (-4°F ~+185°F)

Rated Temperature reading accuracy*

±0.5°C for -10°C~ +40°C
 better than ±0.7°C for -10°C~ -30°C & +40°C~+60°C
 better than ±0.8°C for -30°C~ -40°C & +60°C~+80°C
 better than ±1.0°C for +80°C~+99°C



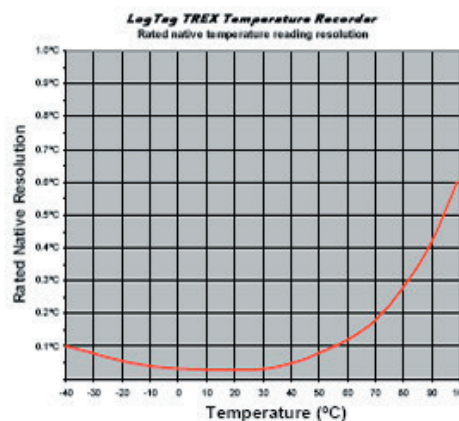
*Ex-Factory values with standard 1.5m LogTag supplied probe and with recorder case sitting in temperature 0°C ~ +50°C

Actual performance is normally much better than the rated values

Accuracy figures can be improved by recalibration

Rated Temperature reading resolution#

less than 0.1°C for -40°C ~ +40°C,
 less than 0.2°C for +40°C ~+80°C
 less than 0.6°C for +80°C ~+99°C (see below)



*LogTag Analyser currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag

Capacity	8000 pairs of humidity & temperature readings (32Kb memory)
Sampling Frequency	adjustable, 30 sec to several hours
Download Time	Typically with full memory (8000 readings) in less than 10 secs depending on computer or readout device used
Environmental	IP61
Power Source	3V Lithium battery
Battery Life	2~3 years of typical use (up to 5-10 years if recorder is hibernated between uses).
External Sensor Cable Length	Standard: 1.5m (4'11"), Extended: 3m (9'10")
External Sensor Cable Type	PTFE (FDA food contact rated) coaxial
Size	86mm(H) x 54.4(W) x 8.6mm(T)
Weight	35g
Case Material	Polycarbonate

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External Probe Options

Handled probe



Part#s ST100H-15 (1.5m) and ST100H-30 (3.0m)

The standard handled probe incorporates a 70mm long shaped overmolded handle with a 105mm length 5mm OD (slightly greater than 3/16") 316 stainless probe. All materials at probe end of cable are FDA food rated including the cable.

Supplied standard (part# ST100H-15) with 1.5m (4'11") or 3.0m (9'10") cable terminated to MCX plug for plugging into LogTag TREX.

Tipped probe



Part#s ST100T-15 (1.5m) and ST100T-30 (3.0m)

The tipped probe incorporates a 140mm exposed length of 5mm OD 316 stainless probe without handle but with small over mold to improve resistance to moisture and provide cable strain relief.

All materials at probe end of cable are FDA food rated including the cable.

Supplied standard (part# ST100HT-15) with 1.5m (4'11") or 3.0m (9'10") cable terminated to MCX plug for plugging into LogTag TREX.

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External Probe Options

Bare probe

Bare sensor without stainless sheath ready for fitting to custom probe assembly.
Not rated for food contact or environmentally rated.
Supplied standard (part# ST100B-15) with 1.5m (4'11") or 3.0m (9'10") cable terminated to MCX plug for plugging into LogTag TREX.



Parts# ST100B-15 (1.5m) and ST100B-30 (3.0m)

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