LogTag
REMOTE PROBE TEMPERATURE RECORDER

product code: TREX-8

The LogTag Remote Probe Temperature Recorder measures and stores up to 8000 temperature readings over -40°C to +99°C (-40°F to +210°F) measurement range.

Using the LogTag Interface and LogTag's freely available companion software *LogTag Analyser* , 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 Analyser which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as Excel.

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*
- *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 s*oftware that runs on any PC configures LogTag for recording then downloads resulting data for analysis. Data can also be exported to formats compatible with other applications such as Excel
- Re-calibration to achieve higher accuracy possible
- *High quality* gold plated remote sensor connector
- *Interchangeable Probes –* LogTag remote temperature probes are interchangeable provided they are changed with LogTag ST100 type remote temperature sensors.
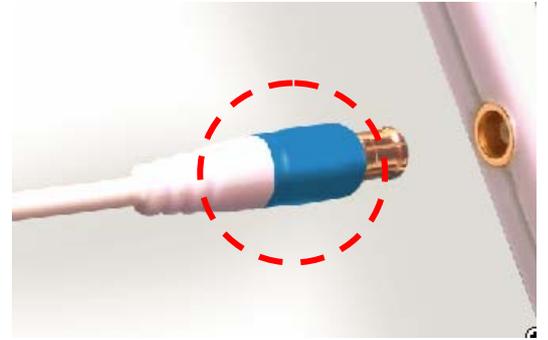
LogTag TREX-8 Technical Specifications

Part Order Code	TREX-8
Remote Temperature Sensor Measurement range	-40 ~ +99°C (-40°F ~ +210°F)
Recorder operating temperature range	-40 ~ +85°C (-40°F ~ +185°F)

<table>
<tr>
<td>

Rated Temperature reading accuracy*

*Ex-factory values with standard 1.5m LogTag supplied probe

With recorder case sitting in environmental temperature between 0°C ~ 50°C the rated accuracy is :-

±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

For generalized environment conditions see Chart below

LogTag TREX Temperature Recorder
Rated remote sensor temperature reading accuracy

Actual performance is normally much better than the rated values.

Accuracy figures can be improved by recalibration.

</td>
<td>

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 TREX Temperature Recorder
Rated native temperature reading resolution

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

</td>
</tr>
</table>

Capacity	8000 temperature readings (16Kbytes memory)
Sampling frequency	adjustable, 30 sec to several hours
Download Time	Typically with full memory in less than 5 seconds depending on computer or readout device used.
Environmental	IP61
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.
Standard Remote Sensor Cable Lengths	Standard: 1.5m (4'11") Extended: 3 m (9'10") (recommended maximum)
Remote Sensor Cable Type	PTFE (FDA food contact rated) coaxial
Size	86mm(H)x54.5mm(W)x8.6mm(T)
Weight	35grams without ST100
Case Material	Polycarbonate

LogTag Remote Probe Options

LogTag TREX is designed and calibrated for use with the LogTag ST100 remote temperature probe. Only this probe is compatible with TREX and using any other probe type is likely to cause an error in readings.

Identifying an ST100 probe

The ST100 probe is distinguished from other LogTag remote temperature probe types by the blue sleeve blue body at the plug end of the probe cable.

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.
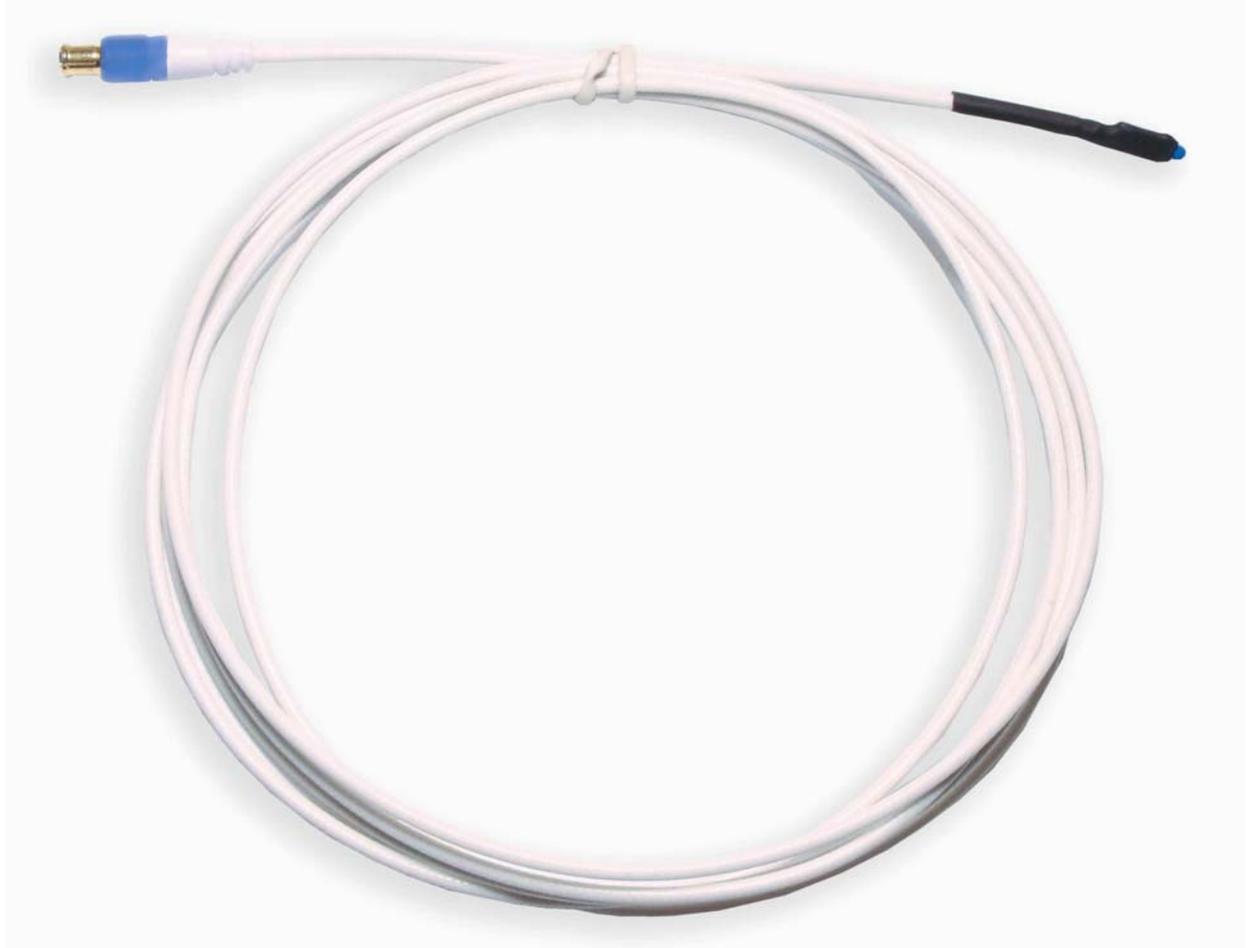All materials at probe end of cable are FDA food rated including the cable.
Supplied standard (part# ST100HT-15) with 1.5m (4'11") or 3.0m (9'10″) cable terminated to MCX plug for plugging into LogTag TREX.

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)

NOTE: LogTag ST100 sensors are designed and calibrated for interchangeability with TREX loggers to the standard rated accuracy of the product. If a TREX/ST100 probe combination is calibrated to a higher level of accuracy (as is possible) then care should be taken to always use the same TREX/ST100 combination for measurements as the ST100 sensor is not rated interchangeable at accuracies better than the TREX/ST100 rating in this specification.

NOTE: INFORMATION AND SPECIFICATIONS SUBJECT TO CHANGE
LogTag Recorders Ltd reserves the right to change this product's specifications without notice.