LogTag Recorders

TREL-8 Multi-Use Low Temperature Recorder

The TREL-8 Low Temperature Remote Probe Recorder measures and stores up to 8000 temperature readings over -80°C to +40°C (-112°F to +104°F) measurement range from associated interchangeable LogTag® ST10 type remote probe temperature sensor (available in lengths up to 3 meters (9'10").

It is intended for use in monitoring of articles stored at low temperatures such as in dry ice type environments. Using the LogTag® Interface Cradle and LogTag's freely available companion software LogTag® Analyzer.

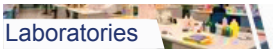
TREL-8 is easily configured for recording conditions including delayed start, sampling interval, number of readings and configuration of conditions to activate the ALERT indicator. Readings are downloaded using LogTag® Analyzer which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as Excel.

The Red Alert indicator provides an immediate indication, without access to a PC, if any readings are outside the limits specified at the time the unit was configured. Green OK indicator provides immediate visual confirmation, without access to a PC, that the unit is operating.

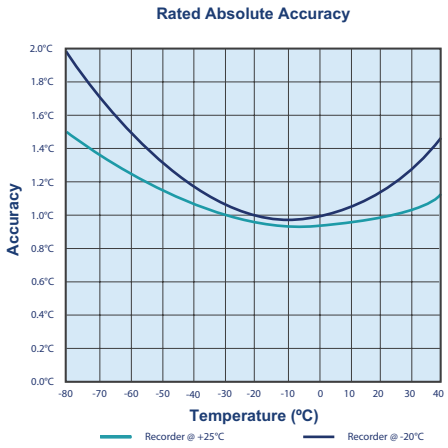
Product Highlights

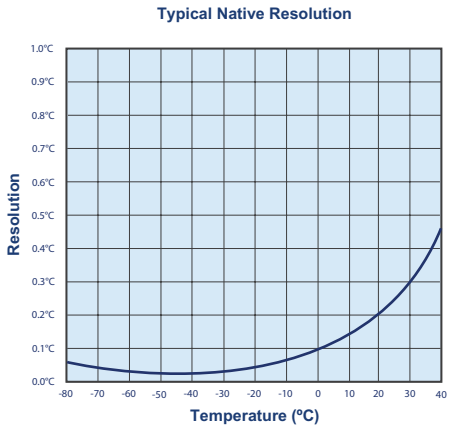
- A real time clock provides date/time stamps for each temperature reading.
- Push-to-start button with optional delay or a specific time & date.
- Comprehensive customisation options including alert settings, sample interval and trip duration.
- Robust and durable polycarbonate case with lug for secure mounting.
- Up to 8,000 recordings - enough for the longest trip.
- In-transit inspections can be recorded at the push of a button.
- Interchangeable External Probe with high quality gold plated connector.
- Industry best download time - less than 5 seconds for fully memory.

Recommended Applications



Accuracy/Resolution Charts





LogTag® ST10 type remote temperature probe.

LogTag® TREL-8 is designed to only operate with LogTag® ST10 type remote temperature probes. ST10 types are identified by the green sleeve color on the sensor's plug. LogTag® ST10 remote temperature probes are designed and calibrated for interchangeability with TREL recorders to the standard ex-factory rated accuracy above. If a TREL/ST10 remote probe combination is calibrated to a higher level of accuracy (as is possible) then care should be taken to always use the same TREL/ST10 combination for measurements as the ST10 sensor is not rated interchangeable at accuracies better than the TREL/ST10 rating in this specification.

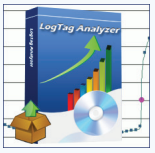
Specifications

Product Model	TREL-8
External Sensor Measurement Range	-80°C ~ +40°C (-112°F ~ +104°F)
Recorder Operating Measurement Range	-30°C ~ +70°C (-22°F ~ +158°F)
Rated Absolute Accuracy	With recorder case sitting in environmental temperature between 0°C ~ 50°C: Better than ±1°C for -30°C~ +20°C Better than ±1.2°C for -45°C~ -30°C & +20°C~+40°C Better than ±1.7°C for -80°C~ -45°C
Capacity	8032 readings (16K bytes memory)
Sampling Interval	Adjustable, 30 seconds to several hours
Environmental	IP61
Power Source	3V LiMg battery
Battery Life	2~3 years of normal use (based on 15 minute logging, download data monthly)
Size	86mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	35g
Case Material	Polycarbonate
Standard External Sensor Cable Length	Standard: 50cm (19"") (Part# ST10S-05) Extended: 3 m (9'10") (Part# ST10S-30)
External Sensor Cable Type	PTFE/FEP (FDA food contact rated) coaxial

Accessories

Wall Mount Bracket

Our FREE LogTag Analyzer software provides an easy to use, powerful platform for configuring any LogTag recorder product before deployment and for data download & analysis when the recorder is retrieved.



LogTag's unique interface cradle design provides rapid & reliable LogTag data transfer.

Note: Users do not need to purchase more than one Interface Cradle per LogTag product.

designed for 21CFR Part 11

FC CE

Pb RoHS COMPLIANT 2002/95/EC