DATASHEET

TREX-8

LogTag

Distributed by AKRIBIS

MULTI-USE LOGGER FOR ANY INDUSTRY

LogTag®

TREX-8

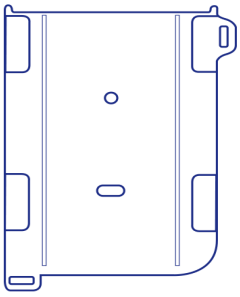
Multi-Use External Probe Logger

AKRIBIS · www.akribis.info · contacto@akribis.info

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

Glycol Buffer
Not Included

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

Compatible probes below:

ST100J	40mm tip length, ø3.2mm.
ST100K	65mm tip length, ø3.2mm.
ST100L	90mm tip length, ø3.2mm.
ST100S	22mm tip length, ø5mm.
ST100T	105mm tip length, ø5mm.
ST100H	Handled with 105mm tip length, ø5mm.
STX50	5 Meter extension cable for ST10/ST100 probes.

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

Features

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

Pharmaceuticals

Farming

Warehouse

Transportation

Laboratories

Medical

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 ±0.5°C (±0.9°F) for -10°C to +40°C (14°F to +104°F). Better than ±0.7°C (±1.3°F) for -30°C to -10°C (-22°F to 14°F) & +40°C to +60°C (104°F to 140°F). Better than ±0.8°C (±1.4°F) for -40°C to -30°C (-40°F to -22°F) & +60°C to +80°C (140°F to 176°F). Better than ±1.0°C (±1.8°F) for +80°C to +99°C (176°F to 210°F). *Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	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). *LogTag Analyzer® currently displays to one decimal place of °C or °F.*
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	CR2450 3V $LiMnO_2$ Battery (Fixed).
Battery Life	1 year storage, followed by 2 – 3 years of normal use (based on 15 minute logging, download data monthly).
Real Time Clock	Built-in real time clock. Rated accuracy ±25ppm @ 25°C (equivalent to 2.5 seconds/day). Rated temperature coefficient is -0.034 ±0.006ppm/°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.

designed for 21CFR Part 11

RoHS COMPLIANT

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