LOW TEMPERATURE AT A GLANCE



LogTag

TREL30-16R

30 Day Display with External Probe



The LogTag® TREL30-16 Temperature Recorder measures and stores up to 15,900 temperature readings over a -90°C to +40°C (-130°F to +104°F) measurement range.

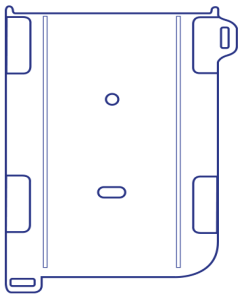
The display is designed to show 'at a glance' if temperature excursions have occurred during the current day and up to the previous 29 days.

Details of any excursions in the preceding 30 days can be checked directly by inspecting the statistics history on the recorder's display or in more detail by downloading the logged data via a standard LogTag Interface cradle to LogTag Analyzer operating software.

Accessories



ST10 Ext Probe
Not Included



Wall Mount
Not Included



LTI-HID
Not Included



LTI-WiFi
Not Included



Buffer assembly
Not Included

Features

Built-in audible alarm.

Up to 15,900 recordings - Enough memory for 66 days at 6 minute logging.

Record inspections at the push of a button.

Comprehensive customization options including alarm settings, sample interval and trip duration.

New, easy to read LCD display with 30 day summary in calendar format.

Auto-pause function - unplugging the external probe automatically suspends alarm & statistics processing.



External Probe with high quality gold plated connector.

Applications



Vaccine & Pharmaceuticals



Logistics



Transportation

Specifications

Product Model	TREL30-16 (Replaceable Battery).
External Temperature Sensor Measurement Range	-90°C to +40°C (-130°F to +104°F).
Operating Temperature Range	-30°C to +60°C (-22°F to +140°F).
Storage Temperature Range	-10°C to +40°C (14°F to +104°F).
Rated Temperature Reading Accuracy	Better than ±0.5°C for -20°C to +10°C (-4°F to 50°F). Better than ±0.7°C for -50°C to -20°C (-58°F to -4°F) and +10°C to +30°C (50°F to 86°F) . Better than ±1°C for -80°C to -50°C (-112°F to -58°F) and +30°C to +40°C (86°F to 104°F). Better than ±1.8°C for -90°C to -80°C (-130°F to -112°F). *Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.*
Rated Temperature Reading Resolution	0.1°C (0.2°F) for measurements -80°C to 0°C (-112°F to 32°F). 0.2°C (0.4°F) for measurements 0°C to 18°C (32°F to 64.4°F) and -90°C to -80°C (-130°F to -112°F). 0.3°C (0.5°F) for measurements 18°C to 30°C (64.4°F to 86°F). 0.5°C (0.9°F) for measurements 30°C to 40°C (86°F to 104°F). *LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.*
Recording Capacity	15,905 temperature readings. 66 days @ 6min logging. Day summary statistics memory (for display on LCD): up for 30 days of Max/Min/duration and alarm trigger statistics.
Sampling Interval	Configurable from 30 seconds to hourly.
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 18 hours.
Recording Indication	State indicator “REC”.
Download Time	Typically less than 10 seconds for full memory (15,905 readings), depending on computer or readout device used.
Environmental	IP61 (when vertically mounted or hung).
Power Source	3V CR2032 ($LiMnO_2$) coin cell battery, user replaceable.
Battery Life	Storage life of 1 year before ‘start’ (if it is hibernation mode), followed by: 1 year of operation with normal use (6 minute logging, statistics reviewed on the display no more than once daily for no longer than 30 seconds each time, download data monthly). NOTE: Continual activation of the audible alarm will reduce the working life of the battery. When an alarm is triggered, the alarm should be cleared and reset as soon as possible.
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 External Probe Cable Lengths	Standard: 0.5m (19”). Extended: 3 m (9’10”) (recommended maximum).
Remote External Probe Type	PTFE (FDA food contact rated) coaxial.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T).
Weight	41g without External Probe.
Case Material	Polycarbonate.

designed for 21CFR Part 11

RoHS COMPLIANT

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