TEMPERATURE MONITORING AT A GLANCE

TRED30-16R

30 Day Display External Probe Logger

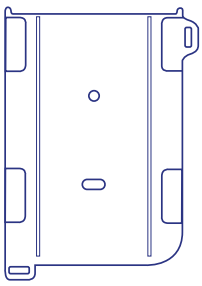
LogTag Recorders

The LogTag® TRED30-16R Temperature Recorder measures and stores up to 15,900 temperature readings over a -40°C to +99°C (-40°F to +210°F) measurement range from an External Probe.

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.

The alarm is triggered if temperature readings are outside pre-set alarm limits. The status indicator changes from a ✓ to a X and, if configured, the audible alarm will sound.

Accessories

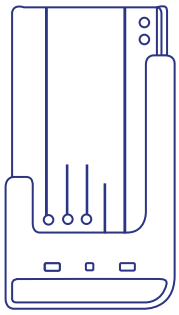


Wall Mount
Not Included

Glycol Buffer
Not Included

LTI-HID
Not Included

LTI-WiFi
Not Included



LTI-WM-WiFi
Not Included

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

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

Compatible probes below:

ST100J	40mm tip length, ø3.2mm.
ST100K	65mm tip length, ø3.2mm.
ST100L	90mm tip length, ø3.2mm.
ST100S	30mm tip length, ø5mm.
ST100T	140mm tip length, ø5mm.
ST100H	Handled with 105mm tip length, ø5mm.
ST100B	Untipped (bare sensor).
STX50	5 Meter extension cable for ST10/ST100 sensors.

Features

Up to 15,900 sets of recordings - enough memory for 66 days at 6min logging

A real time clock provides date/ time stamps for each temperature reading.

Records temperature from -40°C to +99°C

Inspections can be recorded at the push of a button.

Comprehensive customisation options including alarm settings, sample interval and trip duration

Built-in audible alarm.

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

Interchangeable External Probe with high quality gold plated connector.

User replaceable coin cell battery.

Rapid configuration and download.

Applications

Healthcare

Pharmaceuticals

Transportation

Cold Room

Produce

Blood & Organ Transport

Indoor Space

HVAC

Specifications

Product Model	TRED30-16R (Replaceable Battery).
External Temperature Sensor Measurement Range	-40°C to +99°C (-40°F to +210°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 (±0.9°F) for -20°C to +40°C (-4°F to +104°F), typically ±0.3°C (0.6°F). Better than ±0.8°C (±1.4°F) for -40°C to -20°C (-40°F to -4°F), typically ±0.5°C (0.9°F). Better than ±0.8°C (±1.4°F) for +40°C to +70°C (+104°F to +158°F), typically ±0.7°C (1.3°F) Better than ±1.2°C (±2.2°F) for +70°C to +99°C (+158°F to +210°F), typically ±1°C (1.8°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 -40°C to +50°C (-40°F to +122°F) 0.2°C (0.4°F) for measurements +50°C to +70°C (+122°F to +158°F) 0.3°C (0.5°F) for measurements +70°C to +80°C (+158°F to +176°F) 0.4°C-0.6°C (0.7°F to 1°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. 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 18hours.
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	1 year storage, 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: 1.5m (4’11”). 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 Part11

RoHS COMPLIANT

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