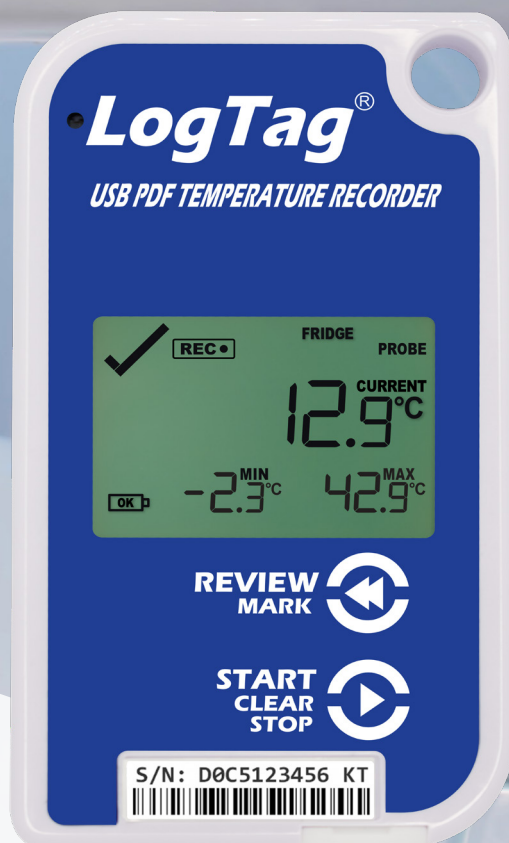


# TEMPERATURE MONITORING AT A GLANCE



# LogTag®

## TRED30-16U

External Probe  
Multi-Use Logger With Display

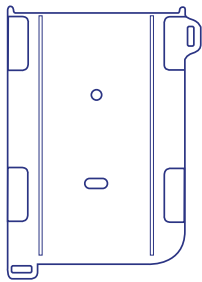


Elevate your vaccine storage practices with the LogTag® TRED30-16U! This enhanced, software-less data logger builds on the success of the best-selling TRED30-16, now with the new, built-in USB-C connection to complement the existing 3-pin cradle connection.

Designed for ease of use, the TRED30-16U boasts a new, simplified LCD that displays minimum and maximum temperature values and offers a quick overview of temperature excursions over the past 60 days. This allows you to ensure the integrity of your vaccines with confidence.

The LogTag® TRED30-16U complies with the guidelines of vaccine storage and handling from CDC, FDA, VFC, NIH, PHAC, AAP and more.

## Accessories



**Wall Mount**  
Not Included - Optional



**Smart Probe**  
Not Included (Recommended)

OR



**External Probe**  
Not Included

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:

CP100K (Smart Probe)	65mm exposed tip length, ø3.2mm
ST100J	40mm exposed tip length, ø3.2mm
ST100K	65mm exposed tip length, ø3.2mm
ST100L	90mm exposed tip length, ø3.2mm
ST100S	22.5mm exposed tip length, ø5mm
ST100T	135.7mm exposed tip length, ø5mm
ST100H	Handled with 105mm exposed tip length, ø5mm
ST100B	Untipped (bare sensor)
STX50	5 Meter extension cable for ST100 sensors



**LTI-HID Interface**  
Not Included - Optional



**Glycol Buffer**  
Not Included - Optional

## Features



No need to send away your logger for calibration with CP100K Smart Probe compatibility



Software-less operation with USB-C connection and automatic PDF and CSV file generation



Records temperature from  
-40 °C to +99 °C  
-40 °F to +210 °F

**MIN**  
**MAX**

New simplified screen, with minimum and maximum values shown for at a glance monitoring



Records over 17,500 sets of recordings - enough memory for 60 days at 5 min logging



Built-in audible alarm so nearby staff can take action before spoilage occurs



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



Interchangeable external probe with high quality gold plated connector



Extend the usable life up to 5 years with the user replaceable coin cell battery



3-pin interface with compatibility with existing LTI-HID installations



Inspections can be configured to record at the push of a button. Optional Inspection Alarm also available.



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

## Specifications

<b>Product Model</b>	TRED30-16U (Replaceable Battery)
<b>External Temperature Sensor Measurement Range</b>	-40 °C to +99 °C -40 °F to +210 °F
<b>Operating Temperature Range</b>	-30 °C to +60 °C -22 °F to +140 °F
<b>Storage Temperature Range</b>	-10 °C to +40 °C +14 °F to +104 °F
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5$ °C ( $\pm 0.9$ °F) for -20 °C to +40 °C (-4° F to +104 °F), typically $\pm 0.3$ °C ( $\pm 0.6$ °F) Better than $\pm 0.8$ °C ( $\pm 1.4$ °F) for -40 °C to -20 °C (-40 °F to -4 °F), typically $\pm 0.5$ °C ( $\pm 0.9$ °F) Better than $\pm 0.8$ °C ( $\pm 1.4$ °F) for +40 °C to +70 °C (+104 °F to +158 °F), typically $\pm 0.7$ °C ( $\pm 1.3$ °F) Better than $\pm 1.2$ °C ( $\pm 2.2$ °F) for +70 °C to +99 °C (+158 °F to +210 °F), typically $\pm 1$ °C ( $\pm 1.8$ °F) Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration.
<b>Rated Temperature Reading Resolution</b>	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 to 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®
<b>Recording Capacity</b>	17,526 temperature readings 60 days @ 5 minute logging Day summary statistics memory (for display on LCD): up for 60 days of Max/Min/duration and alarm trigger statistics
<b>Sampling Interval</b>	Configurable from 30 seconds to 18 hours
<b>Logging Start Options</b>	Push button start or specific date and time. Optional start delay of up to 18 hours
<b>Recording Indication</b>	State indicator "REC"
<b>Download Time</b>	Typically less than 10 seconds for full memory (17,526 readings) using USB connection, depending on your computer
<b>Environmental</b>	IP61 (when vertically mounted or hung)
<b>Power Source</b>	3V CR2032 (LiMnO <sub>2</sub> ) coin cell battery, user replaceable
<b>Battery Life</b>	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, data downloaded 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.
<b>Real Time Clock</b>	Built-in real time clock Rated accuracy $\pm 25$ ppm @ 25 °C (equivalent to 2.5 seconds/day) Rated temperature coefficient is $-0.034 \pm 0.006$ ppm/°C (i.e. typically +/- 0.00294 seconds/day/°C)
<b>Standard External Probe Cable Lengths</b>	Standard: 1.5m (4'11") Extended: 3m (9'10") (recommended maximum)
<b>Connection interface</b>	USB C-type metal plug
<b>Size</b>	93mm (H) x 54.5mm (W) x 8.6mm (T)
<b>Weight</b>	43g
<b>Case Material</b>	Polycarbonate





## Applications

### Vaccine Monitoring and Transportation



The TRED30-16U is ideal for users to enhance their vaccine storage and handling practices with reliable data and simplified display.

- **No software required** with USB-C connection plug and play design
- **Simplified display** showing daily Minimum and Maximum readings for easy review
- **Automatic and fast** PDF and CSV report generation through new USB-C connection
- **Built in alarm** for prompt action by local staff with visual and audio alarms

### Medical Centers and Laboratories



Medical centers and laboratories can depend on the reliability and simple to use design.

- **Calibration made easy** with Smart Probe CP100K compatibility
- **Review and download data** without the need to open transport boxes or storage locations, **maintaining product integrity**
- **Easy to use**, and no need to involve the IT department with **no software needed**
- **21 CFR Part 11** compliant software

### Transportation



Logistics teams will appreciate that no software is needed with push button start and compatibility with their current set up.

- **Ready for use out of the box** with fridge settings preconfigured
- **Compatible with LogTag® Analyzer** for powerful analytical data handling and reporting
- **3-pin connection** for current LTI-HID Interface compatibility, use what you've already got