

## LogTag VAC-TRED30-KIT-2

# LogTag TRED30-16R Vaccine Monitoring Kit

## INSTRUCTION MANUAL

### Introduction

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The LogTag TRED30-16R Temperature Logger is designed for precise temperature monitoring, especially for vaccine storage. It measures and stores up to 15,900 temperature readings within a range of -40°C to +99°C (-40°F to +210°F) using an external probe. The device features a display that indicates temperature excursions for the current day and the previous 29 days, along with current temperature, time, recording status, and battery status. It is VFC compliant and includes an audible alarm for out-of-range conditions. Key features include simple setup and data download (requires LTI-USB Docking Station), CDC VFC compliance, versatile configuration for fridge or freezer environments, an audible alert system, and double assurance with a 2-year calibration certificate and a 2-year device warranty.



This image shows the LogTag TRED30-16R temperature data logger connected to an external probe, which is inserted into a glycol buffer bottle. The logger displays temperature readings and operational status.

## Safety Information

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Always handle the device with care. Do not expose the logger to extreme physical shock or moisture beyond its specified operating conditions. Ensure batteries are inserted correctly. Keep out of reach of children. This device is intended for professional use in monitoring temperature-sensitive products.

## Package Contents

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Upon unpacking, verify that the following items are included:

- LogTag TRED30-16R Data Logger
- 3" Stainless, 1/8"OD Probe with 5' sensor cable (P/N SSP-0615)
- High Density plastic (shatter proof) glycol buffer bottle (P/N SPB1019)

- Acrylic stand (P/N AS1031)
- Installation/Mounting Kit (includes wall mounting bracket) (P/N IMK1015)
- Instruction Manual
- Battery (1 CR2032 battery required, may not be pre-installed)
- 2-Year NIST Traceable Certificate of Calibration (compliant to ISO/IEC 17025:2005)

## Setup

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1. **Battery Installation:** Open the battery compartment and insert one CR2032 battery, observing polarity.
2. **Connect Probe:** Securely connect the external temperature probe to the logger.
3. **Positioning:** Place the logger and the glycol buffer bottle with the probe inside the refrigerator or freezer. Use the acrylic stand and mounting kit as needed to ensure stable placement.
4. **Software & Docking Station:** The LogTag TRED30-16R requires an LTI-USB Docking Station (sold separately) and LogTag Analyzer software for initial configuration, starting, and downloading data. Install the LogTag Analyzer software on your computer.
5. **Initial Configuration:** Connect the logger to the LTI-USB Docking Station. Use the LogTag Analyzer software to configure logging parameters, alarm limits, and to specify whether the device is monitoring a fridge or freezer environment. This step is crucial for VFC compliance.

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This video demonstrates the features and provides a 360-degree view of the LogTag TRED30-16R Vaccine Monitoring Kit. It highlights the device's design, components, and key functionalities for tracking and recording temperature data.

## Operating Instructions

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### Starting a Recording Session

- Connect the logger to the LTI-USB Docking Station.
- Use the LogTag Analyzer software to initiate a new recording session.
- Alternatively, if configured for button-start, press and hold the 'START CLEAR STOP' button until the 'REC' indicator appears on the display.

### Understanding the Display

- The display shows the current temperature, time, recording status (REC), and battery status.
- A checkmark (✓) indicates normal operation. An 'X' (✗) indicates an alarm condition.
- Day markers appear for days with temperature excursions.

### Reviewing Marks

- Press the 'REVIEW MARK' button to cycle through recorded inspection marks or alarm events.

### Clearing Alarms

- If an alarm is triggered (indicated by 'X' and audible alert), press the 'START CLEAR STOP' button to silence the audible alarm and clear the alarm status indicator. The day marker will remain to indicate an excursion occurred.

### Stopping a Recording Session

- Connect the logger to the LTI-USB Docking Station.
- Use the LogTag Analyzer software to stop the recording.
- Alternatively, if configured for button-stop, press and hold the 'START CLEAR STOP' button until the 'REC' indicator disappears.

## Data Download

- Connect the logger to the LTI-USB Docking Station.
- Open LogTag Analyzer software and follow the prompts to download the recorded temperature data for analysis and reporting.

## Maintenance

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### Battery Replacement

When the battery status indicator shows low power, replace the CR2032 battery. Ensure the device is not actively recording before replacement.

### Cleaning

Wipe the device and probe with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in liquids.

### Calibration

The TRED30-16R comes with a 2-year NIST Traceable Certificate of Calibration. Regular re-calibration is recommended to ensure continued accuracy, especially for critical applications like vaccine monitoring. Contact LogTag or an authorized service provider for re-calibration services.

## Troubleshooting

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### Device Not Starting/Recording

- Check battery installation and charge.
- Ensure the device is properly connected to the LTI-USB Docking Station and recognized by LogTag Analyzer software.
- Verify configuration settings in LogTag Analyzer.

### Inaccurate Temperature Readings

- Ensure the probe is correctly positioned within the glycol buffer bottle and the monitored environment.
- Check for any physical damage to the probe or cable.
- Consider re-calibration if readings are consistently off compared to a known reference thermometer. Note that initial calibration accuracy can vary, and verification with reference thermometers is recommended.

### Audible Alarm Not Sounding

- Check if the audible alarm feature is enabled in the LogTag Analyzer software configuration.
- Ensure the battery has sufficient power.

### Data Download Issues

- Verify the LTI-USB Docking Station is correctly connected to the computer and the logger.
- Ensure LogTag Analyzer software is up-to-date.

- Check USB port functionality.

## Specifications

Model	VAC-TRED30-KIT-2
Measurement Range	-40°C to +99°C (-40°F to +210°F)
Memory Capacity	Up to 15,900 temperature readings
Temperature Accuracy	±1°C
Power Source	1 x CR2032 battery
Connectivity	USB (via LTI-USB Docking Station, sold separately)
Special Features	Alarm, Temperature Monitor, VFC Compliant
Included Components	Data Logger, External Probe, Glycol Buffer Bottle, Acrylic Stand, Mounting Hardware, Instruction Manual, Calibration Certificate
Package Dimensions	7.09 x 5.12 x 2.13 inches
Item Weight	0.01 ounces

## Warranty Information

The LogTag TRED30-16R Vaccine Monitoring Kit includes a 2-year device warranty from the date of purchase. This warranty covers manufacturing defects under normal use. For warranty claims, please contact your vendor or LogTag support with your proof of purchase.

## Support

For further assistance, technical support, or information regarding LogTag Analyzer software, please refer to the official LogTag website or contact your product supplier. An LTI-USB Docking Station is required for full device functionality, including setup, data download, and advanced configuration.