

Elitech US-ProSensor-TDE

Elitech TD3X-TDE-R-5M Dual Temperature Probe Instruction Manual

For use with Elitech RCW-360Pro Data Loggers

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1. INTRODUCTION

The Elitech TD3X-TDE-R-5M Dual Temperature Probe is designed for precise and reliable temperature monitoring, specifically for use with the Elitech RCW-360Pro data logger. This probe features automatic detection and configuration, a wide temperature range, and a durable 16.4ft cable, making it suitable for various cold chain monitoring applications.

Key Features:

- **Automatic Probe Recognition & Zero Configuration:** The probe is automatically detected and configured by your RCW-360Pro device upon connection, requiring no manual setup.
- **Wide Range & High Accuracy:** External Dual Temperature Probe, operating from -40°F to 176°F (-40°C to 80°C) with an accuracy of $\pm 0.9^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$).
- **Plug-and-Play with 16.4ft Cable & Standard Audio Jack:** Features a universal 3.5mm audio plug connector for quick installation and compatibility exclusively with RCW-360Pro. The long cable allows flexible probe placement.
- **Individual Calibration Certificate:** Each probe includes a calibration certificate for traceable accuracy, supporting audit readiness and compliance with regulatory standards.
- **Seamless Integration with Elitech iCold Cloud Platform:** Once connected, the probe automatically syncs with the iCold platform for real-time monitoring, automated alarms, and comprehensive data management.

What's in the Box:

- Elitech TD3X-TDE-R-5M Dual Temperature Probe
- Individual Calibration Certificate

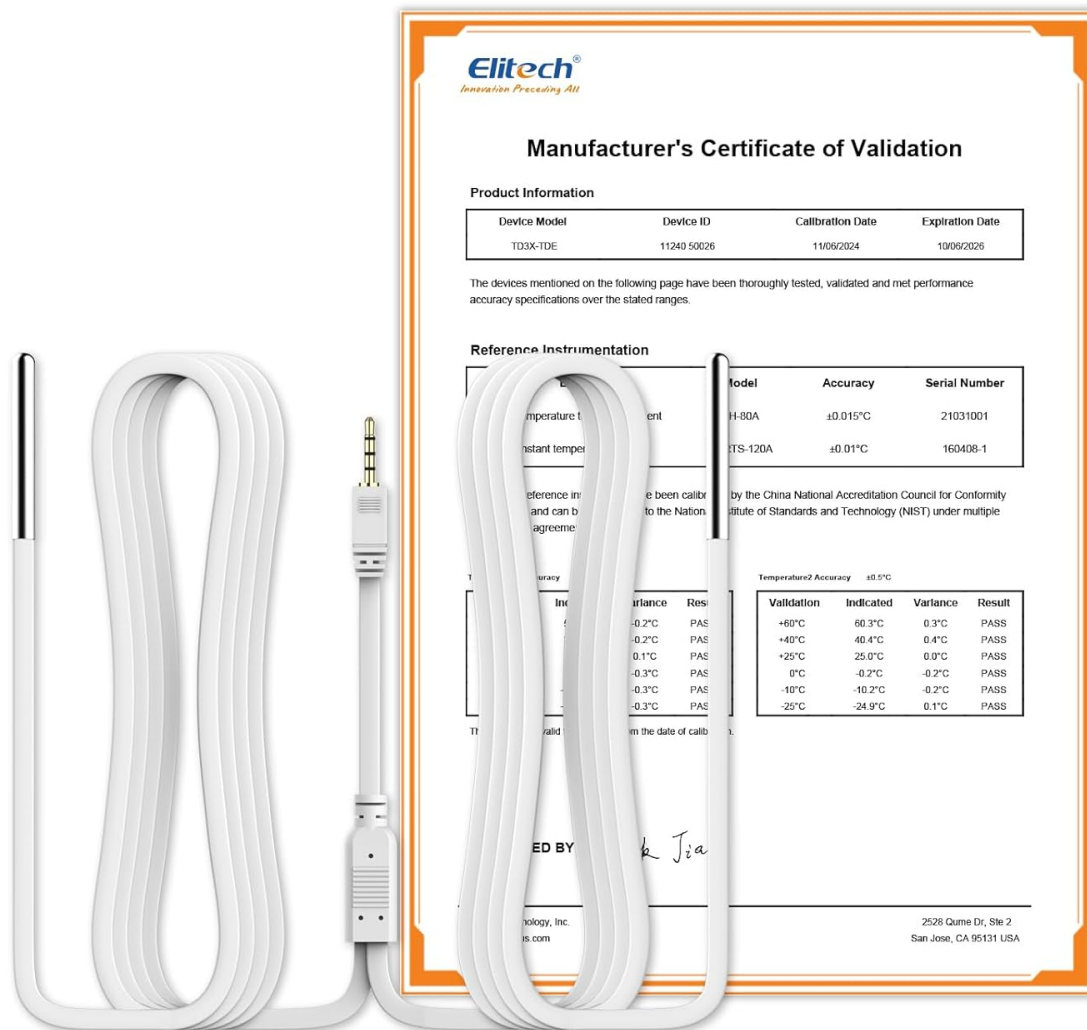


Image: Elitech Dual Temperature Probe with its accompanying calibration certificate.

2. SETUP

2.1 Installing the SIM Card (for RCW-360Pro)

The Elitech RCW-360Pro data logger requires a SIM card for 4G connectivity to the iCold Cloud Platform. Ensure the device is powered off before inserting the SIM card.

Video: Elitech RCW-360Pro 4G Real-Time Monitor Application Scenario. This video demonstrates the device's features and applications, including SIM card installation.

2.2 Connecting the Dual Temperature Probe

The TD3X-TDE-R-5M Dual Temperature Probe connects to the RCW-360Pro via a standard 3.5mm audio jack. The device will automatically detect and configure the probe upon connection.

1. Locate the 3.5mm audio jack ports on the RCW-360Pro device.
2. Carefully insert each probe's audio jack into the designated ports.
3. Ensure a secure connection. The device will automatically recognize the dual temperature probe.



Image: Elitech Dual Temperature Probe connected to the RCW-360Pro data logger.

2.3 Initial Use and Cloud Platform Integration

For first-time users, follow these steps to power on the device and integrate it with the Elitech iCold Cloud Platform.

Video: How to use Elitech RCW-360Pro for first use? This video guides you through the initial setup process.

3. OPERATING INSTRUCTIONS

3.1 Switching Probe Types

The RCW-360Pro supports various sensor types. If you need to change the probe configuration, follow the instructions in the video below.

Video: How to switch multi-sensors for RCW-360Pro. This video demonstrates how to configure different probe types.

3.2 Real-time Monitoring with iCold Cloud Platform

The Elitech iCold Cloud Platform provides comprehensive control and monitoring of your data logger. Access real-time data, set up alerts, and manage your devices remotely.

Video: Elitech Cloud Platform Operation Instructions. This video provides a detailed guide on using the iCold platform.

3.3 Alarm Notifications

Configure various alarm notifications (Email, APP, SMS) through the iCold platform to receive instant alerts for temperature deviations or device issues.

Video: How to Share Real-time Data to Others by Elitech iCold. This video includes information on setting up notifications.

4. MAINTENANCE

4.1 Cleaning the Probe

Regularly clean the probe sensors to ensure accurate readings. Use a soft, damp cloth with mild soap and water. Avoid abrasive cleaners or solvents that could damage the sensor material.

4.2 Calibration

Each Elitech probe comes with an individual calibration certificate. For continued accuracy and compliance, periodic re-calibration by a certified laboratory is recommended, especially in regulated environments.

5. TROUBLESHOOTING

5.1 No Reading from Probe

- **Check Connection:** Ensure the probe's 3.5mm audio jack is fully and securely inserted into the RCW-360Pro.
- **Verify Probe Type:** Confirm that the correct probe type is selected in the iCold platform settings if applicable. Refer to Section 3.1 for guidance.
- **Inspect Cable:** Check the probe cable for any visible damage or kinks.

5.2 Inaccurate Readings

- **Clean Probe:** Ensure the sensor tip is clean and free from debris or buildup. Refer to Section 4.1.
- **Environmental Factors:** Ensure the probe is placed correctly and not exposed to direct heat sources, extreme air currents, or moisture beyond its specified operating conditions.
- **Calibration Check:** If issues persist, consider re-calibrating the probe or contacting support.

5.3 Device Offline/No Data Upload

- **SIM Card/Network:** For 4G models, ensure the SIM card is correctly installed and has an active data plan. Check network signal strength on the device display.
- **Power Supply:** Ensure the RCW-360Pro device has sufficient power or is connected to a stable power source.
- **iCold Platform Settings:** Verify that the device is correctly added and configured on the Elitech iCold

platform.

6. SPECIFICATIONS

Feature	Detail
Model Number	US-ProSensor-TDE (TD3X-TDE-R-5M)
Temperature Range	-40°F to 176°F (-40°C to 80°C)
Temperature Accuracy	±0.9°F (±0.5°C)
Cable Length	16.4 ft (5 meters)
Connector Type	3.5mm Audio Jack
Compatibility	Elitech RCW-360Pro Data Loggers
Dimensions (Probe)	2.56 x 1.97 x 5.51 inches (approximate, for main unit)
Weight	7.05 ounces (approximate, for main unit)

*Innovation Preceding All*



Dual Temp
Sensor










Audio Plug

Range: -40°C~80°C/-40°F~176°F

Length: 5M/16.4inch

Comprehensive guide to the Elitech RCW-800W Wi-Fi IoT data logger, covering features, specifications, operation, and app configuration for real-time temperature and humidity monitoring.

<div><p>RCW-800W IoT Data Logger Manual</p><div></div><p>Elitech iCold Platform: new.i-elitech.com</p></div>	<p>Elitech RCW-800W IoT Data Logger Manual</p> <p>User manual for the Elitech RCW-800W IoT data logger, detailing its features, specifications, operation, and connectivity via Wi-Fi and Bluetooth.</p>
<div></div>	<p>Elitech IoT & Cold Chain Data Loggers Comprehensive Product Catalog</p> <p>Explore Elitech's extensive range of IoT and cold chain data loggers, including temperature, humidity, and multi-use devices. Discover features, technical specifications, and software solutions for reliable monitoring and compliance.</p>
<div><p>RCW-360 Pro 4G/WiFi USER MANUAL</p><div></div><p>Elitech Cold Platform: new.i-elitech.com</p></div>	<p>RCW-360 Pro 4G/WiFi User Manual</p> <p>User manual for the Elitech RCW-360 Pro, a wireless IoT monitor for real-time temperature and humidity tracking. Covers features, interface, model selection, technical parameters, operation instructions, and Elitech iCold platform integration.</p>