



## T D TR32B log-EZ Thermo Recorder Instruction Manual

[Home](#) » [T D](#) » T D TR32B log-EZ Thermo Recorder Instruction Manual 

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#### Contents

- [1 Symbols of Explanation](#)
- [2 Compliance Information](#)
- [3 Product Specification](#)
- [4 Disclaimer](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)
- [6 Related Posts](#)

#### Symbols of Explanation



## **DANGER**

These entries are actions that, may cause serious personal physical damage or death.



## **CAUTION**

These entries are actions that if taken may lead to physical injury or damage to persons or things.



**DANGER** To prevent serious accidents



Do not disassemble, repair or modify the unit.



Do not use the unit in any environment that is exposed to chemicals and harmful gases. Doing so may cause corrosion and/or other danger to the product. Also, coming in contact with hazardous substances may cause bodily harm to the user or people nearby.



This product is not water resistant. Only use in an environment where there is no condensation or possibility of becoming wet. If liquid enters the product, immediately remove the battery and stop using it.



Do not insert or replace batteries with wet hands.



Please be careful not to touch the product during or after use in overly hot or cold environments. It may cause burns or frostbite.



This product has been designed for private and/or industrial use only. It should not be used in situations where strict safety precautions are necessary such as with medical equipment, or in systems directly or indirectly connected with human life.



Do not drop or expose the unit to a strong impact.



To prevent damage to the unit from static electricity, remove static electricity from your body by touching metal around you (such as a door knob and window frame) before touching the unit.



Store the unit and battery out of the reach of children.



If the unit produces heat, emits smoke or a strange smell, or makes unusual noise, immediately remove the battery and stop using it.



Contact with oil may cause cracks to appear in the casing of the unit. Do not use in areas where oils are present.



### **DANGER**

Places NOT Suitable for Installation and Storage

- Areas exposed to excessive vibration
- Areas exposed to excessive smoke, dust or dirt.
- Areas exposed to direct sunlight
- Areas exposed to water leakage
- Areas subject to condensation or wet areas



### **CAUTION**

Precautions for Battery

- Areas subject to direct flames or heaters, as well as areas in which hot air accumulates and creates extremely high temperatures
- Areas exposed to static electricity
- Areas exposed to strong magnetic fields
- There is a risk of fire or explosion if battery is replaced by an incorrect type. Use and replace only with correct size and type (M alkaline) of battery.
- Do not disassemble, modify, mechanically crush or cut the battery, as it may cause battery leakage, overheating, explosion or fire.
- Do not dispose of a battery into fire or a hot oven as this can result in an explosion.
- Do not leave a battery in an extremely high temperature surrounding environment or subjected to extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.
- Do not install the battery in the wrong direction. Doing so may result in product malfunction, battery leakage, overheating or explosion.
- If battery fluid gets on your eyes or skin, wash thoroughly with clean water. See a doctor immediately if it gets in your eyes.
- The supplied battery is non-rechargeable and should not be recharged.
- Use in high or low temperature environments will result in a shortening of the battery life.
- If the unit is not to be used for a long period of time, remove batteries. Leaving batteries inside the unit may cause battery leakage and malfunction.



### **CAUTION**

Others

- Use the product in the specified operating environment, and do not use in any other purposes than those intended.

- If the product gets dirty, wipe it with a clean cloth.
- Battery terminals may provide insufficient contact due to age or vibration. This may lead to data loss.
- Please be careful not to let a third party know of your registration code. The registration code cannot be reissued or changed.

## Compliance Information

### <For FCC Model> FCC and ISED Statement

This device complies with part 15 of FCC Rules and Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Responsible Party :

TandD US, LLC Santa Fe, New Mexico <https://tandd.com/>

### FCC Class B Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

### ISED Class B Statement

This Class B digital apparatus complies with Canadian ICES-003.

### FCC/ ISED Radiation Exposure Statement

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules as this equipment has very low levels of RF energy.

### <For CE Model> CE Statement

Hereby, T&D Corporation declares that the radio equipment type TR32B Series is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [tandd.com/manual/](http://tandd.com/manual/)

### <Important Notice>

Wireless products cannot be used in countries other than where those products have been approved for use, according to that country's wireless regulations. T&D Corporation shall in no manner whatsoever take responsibility for the usage of these products, nor be liable in any manner for legal consequences stemming from

the usage of these wireless products in unapproved areas.

## Product Specification


	TR32B	
Measurement Channels Sensor (Internal)	Temperature 1ch <b>TR3</b> Thermistor	Humidity 1ch Polymer Resistance
Measurement Units	° C, ° F	%RH
Measurement Range	0 to 50 ° C	10 to 90 %RH
Accuracy	± 0.5 ° C	± 5 %RH at 25°C , 50 %RH
Measurement Resolution	0.1 ° C	1 %RH
Responsiveness	Response Time (90%): Approx. 21 min.	
Logging Capacity	8,000 data sets (One data set consists of readings for temperature and humidity.)	
Recording Interval	Select from 15 choices: 1, 2, 5, 10, 15, 20, 30 sec. or 1, 2, 5, 10, 15, 20, 30, 60 min.	
Recording Mode	Endless: Overwrite oldest data when capacity is full	
LCD Display Items Communication	Measurements (alternating display), Battery Life Warning, etc.	
Interfaces	Bluetooth 4.2 (Bluetooth Low Energy)	
Communication Time	Data Download Time (full logger): Approx. 15 seconds	
Power	AA Alkaline Battery LR6 x 1	
Battery Life (*1)	Approx. 1 year (*2)	
Dimensions	H 36 mm x W 85 mm x D 36 mm	
Weight	Approx. 40 g : 0 to 50° C temperature	
Operating Environment	Humidity : 90 %RH or less (no condensation)	
Accessories	AA Alkaline Battery LR6, Registration Code Label, Stand, Screw x 2, User's Manual Set (Warranty Included) Mobile Application (iOS, Android)	
Software (*3)	PCTSoft (Windows) T&D Graph	

## Disclaimer

In order to properly use this product, please carefully read all attached documents before using.


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- All registered trademarks, company names, product names and logos mentioned herein or for products being used are the property of T&D Corporation or of their respective owners.
- Specifications, design and other contents outlined in this and attached documents are subject to change without notice.
- Please follow the safety precautions outlined in this document carefully. We cannot guarantee nor are we responsible for safety if this product is used in any manner other than was intended.
- We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.
- On-screen messages in this and attached documents may vary slightly from the actual messages.
- Please note that this and attached documents have been written based on the presupposition that details about contracts with an Internet provider, specific network environments and the set-up of any other necessary equipment to enable network connection has already been taken care of by the User and that connection has been confirmed as workable. T&D Corporation shall not be responsible for any damages which a contractor, a user or a third party may suffer, whether direct or indirect, due to the inability to communicate or use communication devices.
- Please notify the shop where you purchased this product or T&D Corporation of any mistakes, errors or unclear explanations in this and attached documents. T&D Corporation accepts no responsibility for any damage or loss of income caused by the use of our product.
- Accompanying documents cannot be reissued, so please keep them in a safe place.
- Please read the warranty card and provisions for free repair carefully.

## Documents / Resources

	<p><a href="#">T D TR32B log-EZ Thermo Recorder</a> [pdf] Instruction Manual TR32B, TR32B log-EZ Thermo Recorder, log-EZ Thermo Recorder, Thermo Recorder</p>
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## References

-  [T&D- -](#)
-  [Manuals & Help Downloads | Data Logger Products | T&D Corporation](#)

-  [Software/Apps | T&D Corporation](#)
-  [Data Management Solutions | T&D Corporation](#)

Manuals+.