



T D Wireless Food Core Temperature Data Logger RTR-602 User Manual

[Home](#) » [T D](#) » T D Wireless Food Core Temperature Data Logger RTR-602 User Manual 

Contents

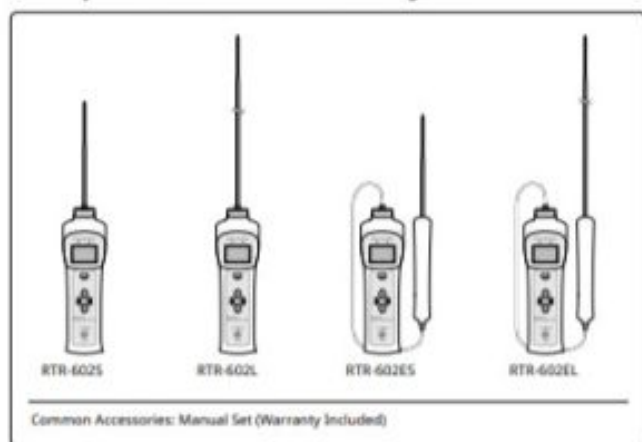
- 1 T D Wireless Food Core Temperature Data Logger RTR-602 User Manual
- 2 Wireless Food Core Temperature Data Logger RTR-600 Series RTR-602 Users Manual
- 3 T&D Corporation
 - 3.1 tanadd.com
- 4 Before Using this Product
- 5 Part Names and Functions
- 6 Sensor Tip Shape
- 7 Each sensor type has a different tip shape: the long type sensor has a round
 - 7.1 Safety Precautions and Instructions
 - 7.2 To ensure safety obey all of the following warnings.
 - 7.3 PLACE AND STORE IN A SAFE PLACE
 - 7.3.1 CLEAN and STERILIZE UNITS BEFORE AND AFTER USE
 - 7.3.2 If a unit gets dirty or oily, wipe it with a clean cloth dipped in alcohol.
 - 7.4 DO NOT TOUCH SENSOR IMMEDIATELY AFTER MEASUREMENT
 - 7.5 CAUTION
 - 7.6 Important Notices and Disclaimers
 - 7.7 Information Regarding Product Disposal
 - 7.8 Compliance Information
 - 7.9 How to Read the LCD Display
 - 7.10 Top Screen
 - 7.11 Main Menu Screen
 - 7.12 Details about the LED Light (when REC is pressed)
 - 7.12.1 Orange LED: ON (Normally)
 - 7.13 Orange LED: Blinking (“Wait for Temp”)
 - 7.14 Menu Contents
 - 7.14.1 [Judgement LED]
 - 7.14.2 [Button Sound]
 - 7.14.3 [Backlight]
 - 7.14.4 [Contrast]
 - 7.14.5 [Unit of Temp]
 - 7.15 [Remote Info]
 - 7.16 Message Display
 - 7.17 Sensor Error Message
 - 7.18 Operations Table
 - 7.19 Operations Table
 - 7.20 Compatible Base Units / Repeaters
 - 7.21 Read More About This Manual & Download PDF:
- 8 Documents / Resources
- 9 Related Posts

T D Wireless Food Core Temperature Data Logger RTR-602 User Manual



Wireless Food Core Temperature Data Logger RTR-600 Series RTR-602 Users Manual

Thank you for purchasing our product.
Carefully read this instruction manual before using this unit.



In this manual, RTR-602S, RTR-602L, RTR-602ES, and RTR-602EL are referred to as “RTR-602”, “Remote Unit(s)”, or simply as “device(s)”.

T&D Corporation

tandd.com

Copyright T&D Corporation. All rights reserved. 2021. 02 16504390053 5th Edition

Before Using this Product

- The RTR-602 Units function as Remote Units. They require Base Units to carry out wireless communication. Before getting ready and setting up the Remote Unit, make sure to first get ready and setup the Base Unit(s).

- To use RTR-602, it is necessary to make operation settings via the software "RTR-600 Settings Utility".
For details about the operation settings via the software, refer to the "RTR500BW+RTR-600 Setup Guide (PDF)". Both the software and manual can be downloaded from the T&D Website.
- To carry out setup of RTR-602, a Battery Charge Dock with USB communication function "RTR-600BD" (sold separately) is also necessary.

Part Names and Functions



LED (Orange)	By pressing the <REC> button, the lamp will turn on when a temperature measurement is recorded.
Judgement LED (Red / Green)	The judgement result of temperature measurement will be shown. Out of Range: Red LED will blink. Within Range: Green LED will blink.
<REC> Button	When this button is pressed, the Temperature, Date / Time, User Name, Item, and Judgement Result at the time of pressing are recorded into the RTR-602.

Sensor Tip Shape

Each sensor type has a different tip shape: the long type sensor has a round

tip; and the short type sensor has a sharp tip (for piercing target object).

Sensor Materials: Stainless Steel (SUS316)

Handgrip Materials: Flame-retardant PPE/PA6 (Temperature Durability: About 170°C) Cable Materials:

Fluoropolymer Coated Electrical Wire Cable Length: 900 mm

Safety Precautions and Instructions

To ensure safety obey all of the following warnings.

The following items should be strictly obeyed for the safe usage of this product, and for protecting yourself and other people from bodily harm and/or damage to property. Before using this product, please read the following carefully and fully understand the contents.



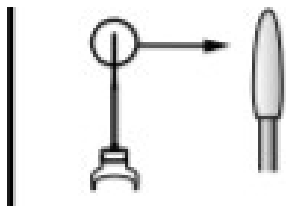
Failure to follow the instructions with this symbol could cause serious injury or even death.



This product has been designed to measure the temperature of food and liquids. Do not use it for any purpose other than for which it was designed.

Because the sensor has a sharp tip, there is a risk of accidentally stabbing people and/or objects. Do not use the sensor for any purpose other than measuring the temperature of objects for which it was designed.

PLACE AND STORE IN A SAFE PLACE



Avoid placing the unit in unstable areas exposed to vibration, slippery surfaces, or within reach of small children. When not in use, put a cover on the sensor tip and store in a safe place.

CLEAN and STERILIZE UNITS BEFORE AND AFTER USE

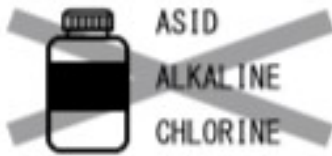


Before and after using, please clean to remove any substances attached to the surface and sterilize the units in

order to prevent the growth of bacteria.

If a unit gets dirty or oily, wipe it with a clean cloth dipped in alcohol.

NEVER use an acid, alkaline, or chlorine based detergent. This will cause harm to the electric components in the unit or the battery charger.



DO NOT TOUCH SENSOR IMMEDIATELY AFTER MEASUREMENT

Please be careful when using in extreme hot or cold environments; touching the unit may cause burns or frostbite.

Please be careful when using in extreme hot or cold environments; touching the unit may cause burns or frostbite.



CAUTION

Failure to follow the instructions with this symbol could cause personal injury or physical damage to equipment.

- Do not disassemble, repair or modify the unit and/or accessories.
- Do not forcibly insert the sensor into hard objects such as frozen food. It may cause sensor breakage, leading to unexpected accidents and injury.
- Do not cut or process the sensor cables. Also, do not twist, pull or swing any of the cables.
- We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.
- To prevent damage to the unit from static electricity, remove static electricity from your body before touching the unit.

Important Notices and Disclaimers

In order to properly use this product, please carefully read this document before using.

- All rights of the attached documents belong to T&D Corporation. It is prohibited to use, duplicate and/or arrange a part or whole of the attached documents without the permission of T&D Corporation.
- All registered trademarks, company names, product names and logos mentioned herein are the property of T&D Corporation or of their respective owners.
- Specifications, design and other contents outlined in this document 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.
- On-screen messages in this document may vary slightly from the actual messages.
- Please notify the shop where you purchased this product or T&D Corporation of any mistakes, errors or unclear explanations in this document.
- T&D Corporation accepts no responsibility for any damage or loss of income caused by the use of our product.

- Please read the warranty and provisions for free repair carefully.

Information Regarding Product Disposal

- This product contains recyclable Ni-MH batteries.
- If you wish to dispose of the unit, please contact your local distributor.

Compliance Information

This device complies with Part 15 of the FCC rules and RSS-210 of Industry of Canada. 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.

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.

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 operating in conjunction with any other antenna or transmitter.

How to Read the LCD Display

Top Screen

By turning the power to ON, the Top Screen, such as below, will appear.



1. Current Date (MM/DD), Time (HH:MM), and User Name
A maximum of 8 characters can be displayed for a user name.
2. Current Temperature (°F/°C)
3. Work Group Name

A maximum of 8 characters can be displayed as a work group name.

4. Measured Item and Count No.

The item being measured and a count number to show how many times this item has been measured are shown here. A maximum of 12 characters can be displayed for a measured item. The count number will be reset to zero every time a Work Group Table is sent to the RTR-602 via software.

The above screen shows the temperature of a cutlet that has been measured two times.

5. Icons (Battery Level / Communication Antenna / Button Lock)

This icon shows the remaining amount of battery power. When the battery is too low to measure temperature, the "Please charge batteries" message will appear.

This icon appears during wireless communication with the Base Unit.

This icon appears when "Button Lock" is set to ON in the software. Button operation will be OFF for all buttons except for the <REC> and Power buttons.

Main Menu Screen

By pressing the <MENU> button, the Main Menu will appear as shown below

1. Menu Title
2. Cursor Use to move the arrow cursor up and down.
3. Use to scroll the screen up and down.
4. Currently Selected Item (Highlighted)

Details about the LED Light (when REC is pressed)

Orange LED: ON (Normally)

Normally the orange LED turns on, and the recorded temperature is displayed.



Orange LED: Blinking ("Wait for Temp")

When the "Wait for Constant Temp Settings" has been set to ON in the software and temperature is not stable, the orange LED blinks meaning a recording is pending*.

Do not remove the sensor from an object being measured while "Wait for Temp" is on display and the orange LED is blinking.

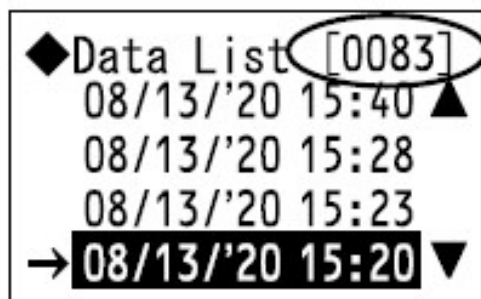


Menu Contents

[Check Data] > [Data List] > [Check Data] By selecting the [Check Data] menu, all recorded data in the Remote Unit is displayed in a list in descending order (from newest to oldest data).

Select data by moving the cursor and press the <ENT> button to view detailed information.

The left screen shows the 83rd data reading highlighted by the cursor.

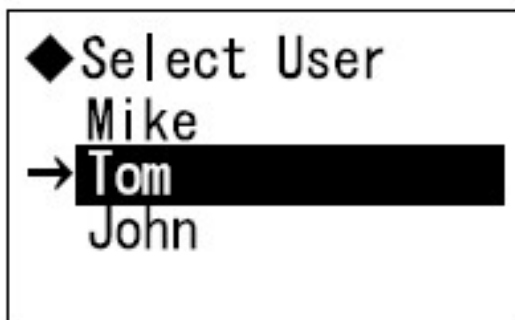


Details of the selected data (date (mm/dd/yy) and time (hh:mm:ss) of recorded data, measured item, user name, measurement, and judgement result) will be displayed. Judgement OK

Lower Limit Error Upper Limit Error.



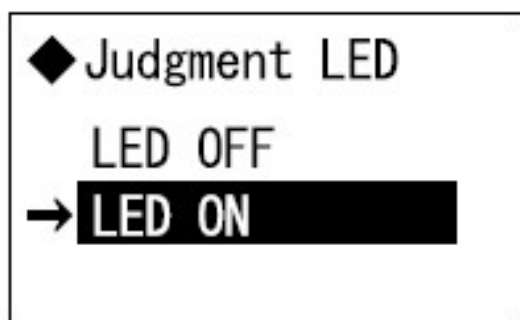
[Select User] / [Select Item] Select from the list of Users and Items setup in the software. If you have registered Work Groups, it is also possible to select from the [Select Work] menu.



[Judgement LED]

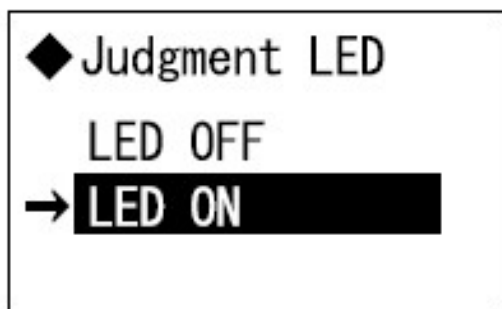
By setting to "LED ON", the Judgement LED will blink when a measurement exceeds the set upper or lower limit*.

* Upper and lower limits can be set using the software.



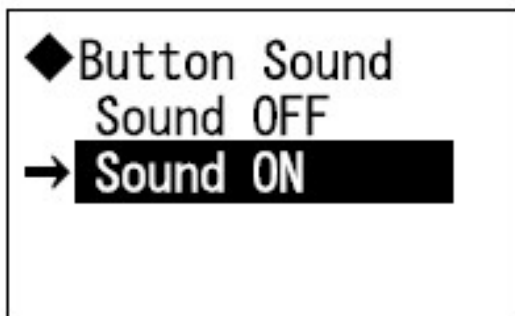
[Button Sound]

Turn ON or OFF the beep which sounds when a button is pressed.



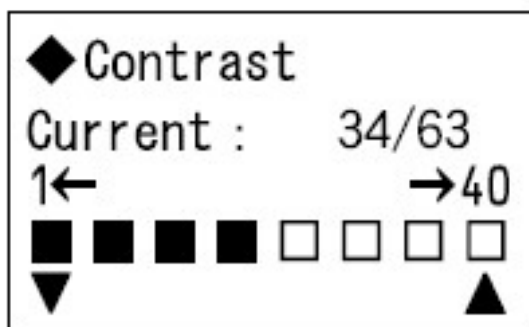
[Backlight]

The "ON in Use" option will backlight the display for three seconds only during operation.



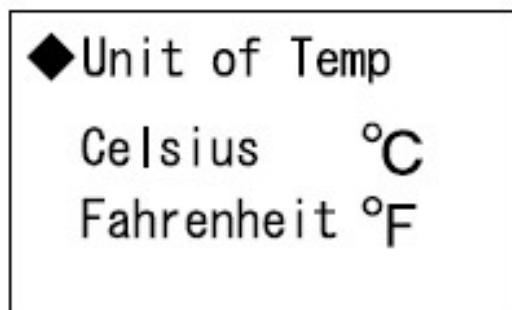
[Contrast]

Use to adjust the contrast of the display.



[Unit of Temp]

Select Celsius [°C] or Fahrenheit [°F].



[Remote Info]

The Group ID* and Remote Unit Name can be viewed here for the unit being used.

* The Group ID is automatically assigned upon registering a Remote Unit.



Message Display

Settings Change Message If any settings changes have been made via wireless communication to the unit in use, a notification message will be displayed for about two seconds. After that, you will be automatically returned to the top screen.

Settings
were Changed

This message will be displayed regardless of what settings have been made in the unit. Even when the power is off, the unit will automatically turn on to display the message.

Sensor Error Message

11/0110:32 Mike
measure Error °F
– Check Sensor ↻
Group 1 
Cutlet CT0002

Please contact your local distributor if you see this message.

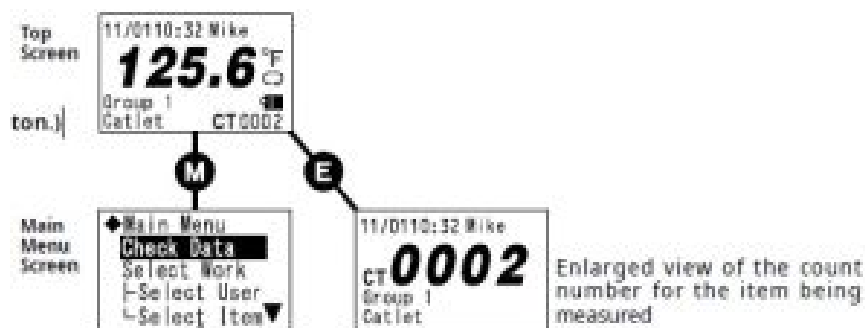
Operations Table

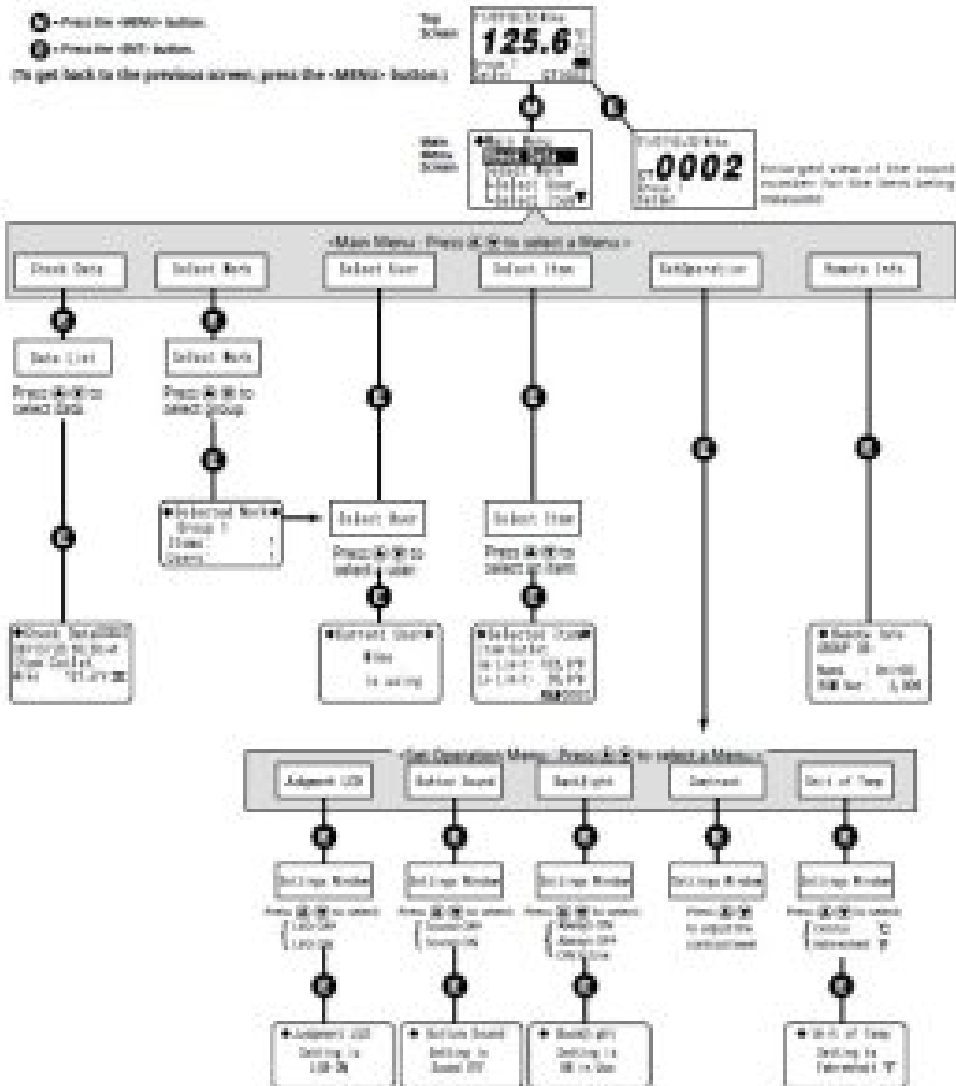
Press the <MENU> button.

Press the <ENT> button.

(To get back to the previous screen, press the <MENU> button.)

Operations Table





Compatible Base Units / Repeaters

Compatible Base Units / Repeaters

Network Base Station
 RTR-6000W (Wired/Wireless LAN Type)
 RTR-6000W (Wired LAN Type)
 RTR-6000W (Wireless LAN Type)

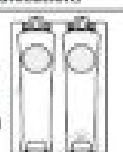
Wireless Base Station / Repeater
 RTR-6000W / RTR-6000



Battery Charger (with USB communication)

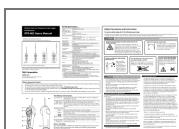
Battery Charge Dock
 RTR-6000W

Accessories Included in Package:
 • AC Adapter AD-05A2
 • USB Cable US-15C
 • Wall Mount Screws x 3



Read More About This Manual & Download PDF:

Documents / Resources



[T D Wireless Food Core Temperature Data Logger RTR-602 \[pdf\] User Manual](#)
 T D, Wireless, Food, Core Temperature, Data Logger, RTR-602, RTR-600 Series