

Using This Quick Start Manual

Use this Quick Start Manual to set up your meter and begin operation. Information is provided on how to:

- Connect ac power
- Connect the RTD
- Set basic options for operation

For complete information on all setup options, please see the Operator's Manual.

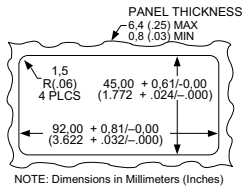
Before You Begin

In addition to the meter and the related parts, you will need the following items to set up your unit:

- ac power, as listed on meter's ID/Power Label
- RTD
- 1/8" flat blade screwdriver

Mount the Unit

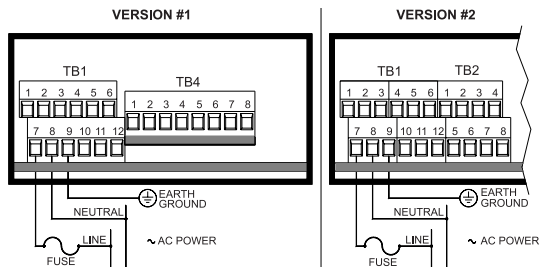
1. Cut a panel opening using the dimensions shown below.
2. Position the meter in the opening, making sure the front bezel is flush with the panel.



Connect ac Power

Warning: Do not connect ac power to your meter until you have completed all input and output connections. Failure to do so may result in injury!

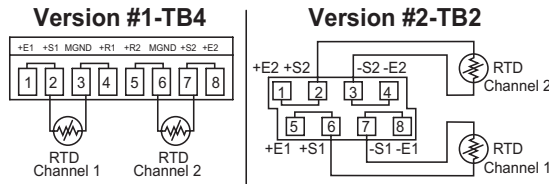
1. Remove the panel at the back of the meter.
2. Locate the TB1 connector.
3. Insert the correct wire in each terminal as shown in the following figure and tighten the lockdown screws. Tug gently on the wires to verify connections.



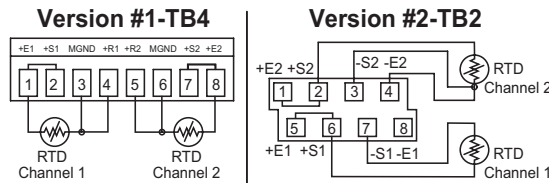
Main ac Power Connections

Connecting the RTD

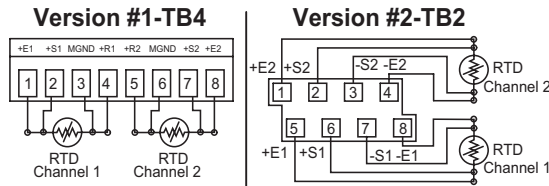
1. Locate the TB4 (or TB2, depending on your unit) connector on the rear of the unit (see the figure above).
2. Attach the RTD wires, referring to the appropriate diagram below and tighten down lockdown screws.
3. Tug gently on the wires to verify the connections.
4. Replace the panel at the back of the unit.



2-Wire RTD Input Connection



3-Wire RTD Input Connection



4-Wire RTD Input Connection

Turn on the Meter

1. Apply ac power to the unit.
The unit initializes, flashing the following messages on the front panel: **RST**, **D.RTD**. Then the temperature should display.
2. Verify that a temperature is displayed. If not:
 - Remove ac power from the unit.
 - Verify the TB1 power connections.
 - Check your power source.
 - Apply ac power again.

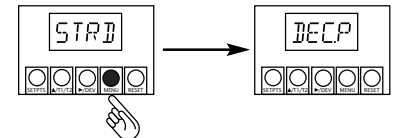
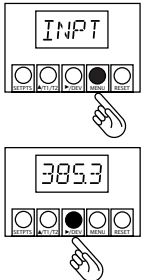
Configure the Unit

To configure the meter, use the buttons on the front panel.

To:	Take This Action
Display the Configuration Menu.	Press the MENU button. The first function on the menu, INPT , displays.
Select the submenu function	<ol style="list-style-type: none"> 1. Press MENU until the function you want is shown. 2. Press ▶/DEV. <p>The information you can change begins to flash.</p>
Select a value for that submenu function	<ol style="list-style-type: none"> 1. Press ▲/T1/T2/Δ to display the option you want. 2. Press MENU to select it. <p>The message STRD quickly flashes, indicating that the selection has been stored in memory. Then the next menu function displays.</p>
Go back to the previous menu function.	Press RESET once.
Exit the Configuration Menu.	<ul style="list-style-type: none"> • Press RESET twice. The meter reinitializes (displays RST, then D.RTD). When the temperature displays, the meter is in run mode. • Optionally, you can press MENU to move through all the menu functions until the meter reinitializes.

To Set the RTD Type:

1. Press **MENU** until the meter displays:
2. Press **▶/DEV**. The meter displays:
3. Press **▲/T1/T2/Δ** until the RTD for your installation is shown. The choices are:
 - 385.2 - 2-wire DIN
 - 385.3 - 3-wire DIN (default)
 - 385.4 - 4-wire DIN
 - 392.2 - 2-wire NIST
 - 392.3 - 3-wire NIST
 - 392.4 - 4-wire NIST.
4. Press **MENU** to select the RTD shown. The meter displays:



Warranty/Disclaimer

NEWPORT Electronics, Inc. warrants this unit to be free of defects in materials and workmanship for a period of **one (1) year** from the date of purchase. In addition to NEWPORT's standard warranty period, NEWPORT Electronics will extend the warranty period for **one (1) additional year** if the warranty card enclosed with each instrument is returned to NEWPORT.

If the unit should malfunction, it must be returned to the factory for evaluation. NEWPORT's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by NEWPORT, if the unit is found to be defective it will be repaired or replaced at no charge. NEWPORT's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of NEWPORT's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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Return Requests/Inquiries

Direct all warranty and repair requests/inquiries to the NEWPORT Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO NEWPORT, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM NEWPORT'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting NEWPORT:

1. P.O. number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult NEWPORT for current repair charges. Have the following information available BEFORE contacting NEWPORT:

1. P.O. number to cover the COST of the repair,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

NEWPORT's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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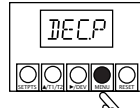
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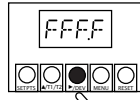
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To Set the Decimal Point Position:

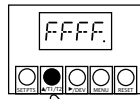
1. If it's not already shown, press **MENU** until the meter displays:



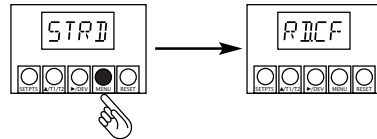
2. Press **▶/DEV.** The meter displays:



3. Press **▲/T1/T2/Δ** to move the decimal point to the desired location. Choices are FFFF. and FFF.F.

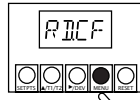


4. Press **MENU** to select the decimal point position shown. The meter displays:

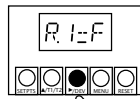


To Select the Temperature Unit (Fahrenheit or Celsius):

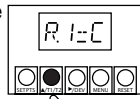
1. If it's not already shown, press **MENU** until the meter displays:



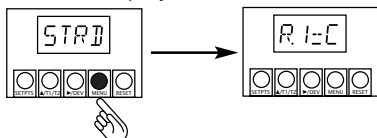
2. Press **▶/DEV.** The meter displays:



3. Press **▲/T1/T2/Δ** to display the setting you want. Choices are F and C.



4. Press **MENU** to select the temperature unit shown. The meter displays:

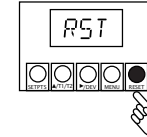


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Begin Operation

Exit the Configuration Menu and reinitialize the meter:

- Press **RESET** twice, or
- Press **MENU** until **RST** flashes on the display.



When the temperature appears, the meter is up and running.

To View the Temperature Differentials:

While in run mode, press **▲/T1/T2/Δ** to display:

- **T1:** Temperature 1
- **T2:** Temperature 2
- **T1-T2:** Differential between T1 and T2.

WARNING: These products are not designed for use in, and should not be used for, patient connected applications.

This device is marked with the international caution symbol. It is important to read the Setup Guide before installing or commissioning this device as it contains important information relating to safety and EMC.

It is the policy of NEWPORT to comply with all worldwide safety and EMC/EMI regulations that apply. NEWPORT is constantly pursuing certification of its products to the European New Approach Directives. NEWPORT will add the CE mark to every appropriate device upon certification.

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