

**START HERE**

**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.

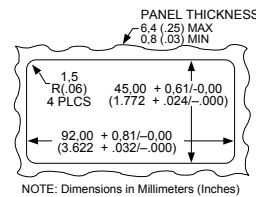
**Before You Begin**

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**

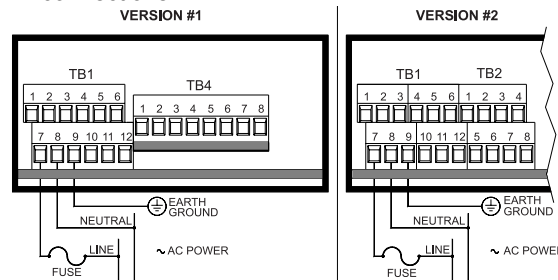
1. Cut a panel opening using the dimensions shown below.
2. Position the meter in the opening, making sure the front bezel is flush with the panel.



**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.

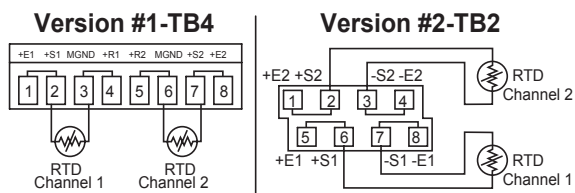


**Main ac Power Connections**

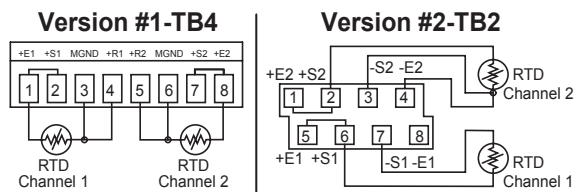
**2**

**Connecting the RTD**

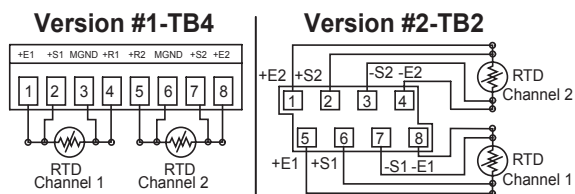
1. Locate the TB4 (or TB2, depending on your unit) connector on the rear of the unit (see the figure above).
2. Attach the RTD wires, referring to the appropriate diagram below and tighten down lockdown screws.
3. Tug gently on the wires to verify the connections.
4. Replace the panel at the back of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



**2-Wire RTD Input Connection**



**3-Wire RTD Input Connection**



**4-Wire RTD Input Connection**

**3**

**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**

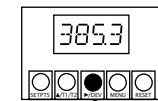
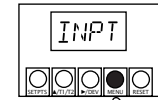
To configure the meter, use the buttons on the front panel.

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

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**To Set the RTD Type:**

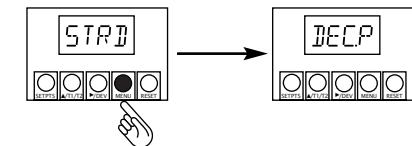
1. Press **MENU** until the meter displays:
2. Press **▶/DEV**. The meter displays:



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

OMEGA Engineering, Inc. warrants this unit to be free of defects in materials and workmanship for a period of **61 months** from date of purchase. OMEGA Warranty adds an **additional one (1) month** grace period to the normal **five (5) year** product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. Omega'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 OMEGA'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 OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'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 OMEGA:

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 OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

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.

OMEGA'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.

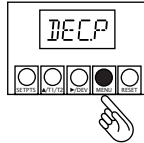
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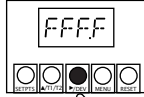
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### To Set the Decimal Point Position:

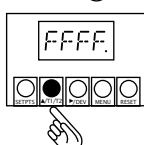
1. If it's not already shown, press **MENU** until the meter displays:



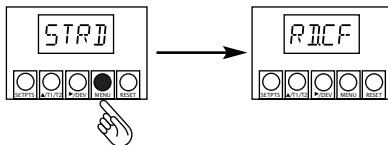
2. Press **▶/DEV**. The meter displays:



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

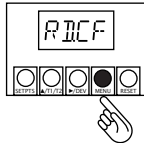


4. Press **MENU** to select the decimal point position shown. The meter displays:

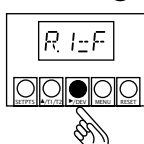


### To Select the Temperature Unit (Fahrenheit or Celsius):

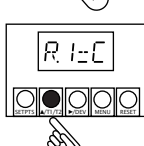
1. If it's not already shown, press **MENU** until the meter displays:



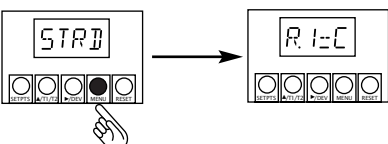
2. Press **▶/DEV**. The meter displays:



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:

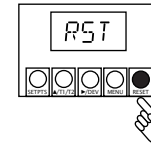


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### Begin Operation

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 OMEGA to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives.

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QUICK START

For complete product manual:  
[www.omega.com/manualpdf/M1865.pdf](http://www.omega.com/manualpdf/M1865.pdf)



### DP26-RTD DIFFERENTIAL TEMPERATURE METER WITH RTD

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