Using This Quick Start Manual

Use this Quick Start Manual to set up your RTD meter and begin operation. Information is provided on how to:
- Connect ac power
- Connect the RTD
- Set basic options for operation

Features with ☑️ are for the “B” version which has three-color programmable “Big” LED display - All segment characters shown are for the “B” version.

Before You Begin

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

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

Safety Consideration

This device is marked with the international Caution symbol.

The instrument is a panel mount device protected in accordance with EN61010-1 (Safety requirements for electrical equipment for measurement, control, and laboratory standard). Remember that the unit has no power-on switch. Building installation should include a switch or circuit-breaker that must be compliant to IEC 947-1 and 947-3.

SAFETY:
- Do not exceed voltage rating on the label located on the top of the instrument housing.
- Always disconnect power before changing signal and power connections.
- Do not use this instrument to work on a work bench without its safety reasons.
- Do not operate this instrument in flammable or explosive atmospheres.
- Do not expose this instrument to rain or moisture.

EMC:
- Whenever EMC is an issue, always use shielded cables. • Never run signal and power wires in the same conduit.
- Use signal wire connections with twisted-pair cables.
- Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.

Mount the Unit

1. Cut a panel opening using the dimensions shown to the right.
2. Position the unit in the opening, making sure the front bezel gasket is flush with the panel.
3. Slide on retaining bracket to secure the meter against the panel.

Wiring

Warning: Do not connect AC power to your device until you have completed all input and output connections. This device must only be installed by a specially trained electrician with corresponding qualifications. Failure to follow all instructions and warnings may result in injury!

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

Connecting the RTD

1. Locate the TB2 connector on the rear of the meter.
2. Attach the RTD wires, referring to the appropriate diagram and tighten down lockdown screws.
3. Tug gently on the wires to verify the connections.
4. Replace the panel at the back of the meter.

Configure the Meter

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

1. Press MENU button.
2. Select a function you want to perform.
3. Press /DEV to select it.
4. Press /DEV DESCRIPTION to display the value of that function.

Display the Configuration Menu.

3. Press /DEV to select the submenu you want to use.
4. Press /DEV to perform the action.

Turn on the Meter

As per the instruction on the front panel.

Input Type

- Decimal Point
- Analog Output

Factory Default Settings.
To Set the RTD Type:

1. Press MENU until the meter displays:

2. Press ▲/DEV. The meter displays:

3. Press ▲/MAX until the RTD for your installation is shown.

   - RTD.2 is for a 2-wire RTD
   - RTD.3 is for a 3-wire RTD
   - RTD.4 is for a 4-wire RTD

4. Press MENU to select the RTD shown. The meter displays:

To Select the Temperature Unit (Fahrenheit or Celsius):

1. If it’s not already shown, press MENU until the meter shows:

2. Press ▲/DEV. The meter displays:

3. Press ▲/MAX to display the setting you want. Choices are F and C.

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

To Set the Decimal Point Position:

1. If it’s not already shown, press MENU until the meter shows:

2. Press ▲/DEV. The meter displays:

3. Press ▲/MAX to move the decimal point to the desired location.

   Choices are: FFFF or FFFF

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

Begin Operation

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.

WARNING: These products are not designed for use in, and should not be used in, patient connected applications. These products are intended for use with the international caution symbol. It is important to read the Setup Guide before installing or commissioning. As it contains important information relating to safety and EMI.

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In the event of a failure of the meter, including but not limited to malfunctions, 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 failure as a result of excessive corrosion; or current, heat, moisture or vibration; misapplication; misuse or other operating conditions. The products are warranted, including but not limited to contact points, fuses, and fuses.

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