OMEGA ENGINEERING, INC. warrants this unit to be free of defects from date of purchase. OMEGA’s WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA’s customers receive maximum coverage on each product.

If the unit malfunctions, 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 having been 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 in which wear is not warranted, include but are not limited to contact points, fuses, and tines.

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 ... DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

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

1. Purchase Order number under which the product was PURCHASED.
2. Model and serial number of the product under warranty.
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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Using This Quick Start Manual

Use this Quick Start manual with your meter to power up, configure and scale your meter. For detailed instructions, refer to the appropriate section in the Operator’s Manual.

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. Locate the J1 connector.
2. 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.

Mount the Meter

1. Cut a hole in your panel, as shown in the figure below.
2. Insert the meter into the hole. Be sure the front bezel is flush to the panel.

Connect the Sensor Input

Depending upon sensor input type, connect your sensors according to one of the following figures. If your sensor type is not shown, refer to Section 3 of the Operator’s Manual.

- **4 -20 mA Input with External Excitation**
- **3-Wire dc Voltage Input with Internal Excitation**
- **4-20 mA Transmitter with Internal Excitation**

Apply Power

Plug in the meter. There is no power switch, so the meter will be active as soon as you apply power. The meter shows the following:

* Represents the revision code. Write this number down. You will need this number if you call Customer Service for assistance.

Configuring and Scaling Your Meter

1. Press MENU. The meter momentarily shows “InP”, then shows last saved input range.
2. Configure the input range by pressing ▲/TARE to select from the following:
   - 4-20mA, 20-4mA, 0-5V, 1-5V and 0-10V.
3. Press MENU to store range. The meter momentarily shows “Stor”, “dEc.P”, and then shows the last saved decimal point location.
4. Configure the decimal point location by pressing ▲/TARE to select from the following:
   - FFF.F, FFFF., FFFFF, F.FFF and FF.FF.
5. Press MENU to store decimal point. The meter momentarily shows “Stor”, “ScAL”, and then shows the last saved scaling method.
6. Press ▲/TARE to select “int” or “LivE” scaling. “int” is internal scaling, or scaling without known loads. “LivE” is applying known loads to a sensor.
7. Press ▲/MAX. The display momentarily flashes “rd 1”, then shows the low calibrated value.
8. a. If you selected “int”, enter the desired display corresponding to low input. (0Vdc, 1Vdc, 4mA)
   b. If you selected “LivE”, apply low load to sensor and enter desired display.
   Press ▲/MAX and ▲/TARE to enter desired display.
9. Press MENU. The display momentarily flashes “rd 2”, then shows the high calibrated value.
10. a. If you selected “int”, enter the desired display corresponding to high input. (10Vdc, 5Vdc, 20mA)
    b. If you selected “LivE”, apply full scale or 3/4 full scale load to sensor and enter desired display.
    Press ▲/MAX and ▲/TARE to enter desired display.
11. Press MENU to store new scale factor and return to the run mode.
12. If the display is not zero, with no load on your sensor, press ▲/TARE. Scaling is now complete.

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