Set Default Decimal Point

1. Press MENU. The meter displays:

2. Press ▲MIN to display the current decimal point. Change the display, if necessary, to read "000000." (Use ▲MAX to change the decimal point position).

3. Press MENU. The meter stores changes (if applicable), then displays "CNT BY".

4. Press RESET twice. The meter momentarily displays "RESET 2" then returns to the run mode. The meter will now read the input signal (4mA = 000000. and 20mA = 020000.).

Measure and Record Input Values

1. Apply 4mA to the input and record the display reading. INPUT 1 =

2. Apply 20mA to the input and record the display reading. INPUT 2 =

3. Press MENU until the meter displays:

4. Press MENU until the meter displays:

5. Press MENU. The meter stores changes and displays:

Scale Input Values

1. Press ▲MIN to display "INPUT 1":

2. Press ▲MIN again. The meter displays "000000". Enter the INPUT 1 value recorded in step 1 of the Measure Input Values section of this quick start.

3. Press MENU. The meter displays "READ 1".

4. Press ▲MIN to display a six-digit number. Change the meter to read "000000". (Use ▲MIN to scroll through digits and ▲MAX to change the digit's value.)

5. Press MENU. The meter displays "INPUT 2":

6. Press ▲MIN. The meter displays "000000". Enter the INPUT 2 value recorded in step 2 of the Measure Input Values section of this quick start.

7. Press MENU. The meter stores changes and displays:

8. Press RESET twice. The meter displays "RESET 2", then returns to the run mode. The meter is now scaled to read 0 to 100.0 for a 4.20 mA input.

WARNING: 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.

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Using This Quick Start Manual
Use this Quick Start Manual to get your High Performance Process Indicator up and running. These instructions use the factory default settings of current input and 24 Vdc sensor excitation. To start your unit:
- Connect ac power
- Wire the sensor
- Configure the meter, using the front panel buttons and the configuration menus

Before You Begin
Check the serial label on the top of the meter case. The model number’s last 3 digits indicate if the meter is set up for voltage or current. C1 - C2 are current ranges and DC1 - DC10 are voltage ranges. This quick start manual uses the C2 (4 - 20mA) range. If your meter is setup for a range other than C2, consult the reference manual.

Your unit should have the following parts:
- Meter
- Front panel button cover
- Panel mounting gaskets
- ac Power Connector (orange - P1), Input Connectors (2) (gray - P3 and P9), and rear protective cover (mounted).

Contact the nearest Customer Service Department using the numbers listed on the front of this quickstart manual if any of these parts are missing, or if you have questions. In addition to the unit and related parts, you will need the following items to set up your unit:
- ac power, as listed on meter’s Product/ID
- 4-20mA input (eg: load cell, calibrator)
- 1/8" Phillips head screwdriver
- 1/8" flat blades screwdriver

Connect ac Power
1. Remove the rear protective cover and set it aside. The cover is secured with a Phillips-head screw.
2. Locate connector P1 on the bottom-left rear of the unit. The connector has three screw-down terminals.
3. Insert the correct wire in each terminal and tighten the lock-down screw. Tug gently on each wire to verify the connection.

Connect a Current Transmitter
Follow these steps to wire a current input sensor with sensor excitation. This setup procedure is actually a series of short tasks. To complete Quick Start Setup successfully, it is important to perform all tasks in the order outlined in the Quick Start Setup.
1. Locate connectors P3 & P9 on the right-side-rear of the unit.
2. Attach the wires and tighten the retaining screws. Tug gently on the wires to verify the connection.
3. Apply ac power. The front panel of the unit flashes RESET2. If it does not:
   a. Remove ac power.
   b. Verify the P1 power and P3 and P9 input connections.
   c. Check your power source.
   d. Check your signal source.
4. Replace the rear cover. Thread the sensor wires through the slots on the side of the cover. Replace the rear cover screw.
5. Apply ac power once again.

Configure the Meter
Use the front panel buttons to access the configuration menus, to either verify or set the unit values. The function of each button is described below:

Meter Button Descriptions

- Press This Button To:
- sequentially recall previous setpoint settings (run mode only), store new setpoint values.
- access the configuration program menus and move from one menu to the next.
- enter and scroll through a submenu.
- change the value of a submenu.
- move backward one menu (press once) or exit the configuration menus (press twice).

Quick Start Setup
Quick Start Setup scales your meter to read 0 to 100.0 for a 4 - 20mA input. This setup procedure is actually a series of short tasks. To complete Quick Start Setup successfully, it is important to perform all tasks in the order outlined in the Quick Start Setup.

Set Reading Scale Factor and Reading Offset
1. Press MIN to display the scale factor value. Change the value, if necessary, to read “1.00000” (Use MIN to scroll through digits and MAX to change the digit’s value).
2. Press MENU. The meter stores changes (if applicable) then displays “RDG.OF.”
3. Press MIN to display the offset value. Change the value, if necessary, to read “000000” (Use MIN to scroll through digits and MAX to change the digit’s value).
4. Press MENU. The meter stores changes, if applicable, then displays “IN CNF.”

Set Default Input Scale and Offset
1. Press MIN until the meter flashes. Change the value, if necessary, to read “100.0000” (Use MIN to scroll through digits and MAX to select 0 as the value). Setting “INF/0” disables input scale and offset.
2. Press MENU. The meter stores changes, if applicable, then displays “IN SC.OF.”

Wiring Example: Current Input with Sensor Excitation

1. Press MENU until the meter displays:
   1. Press MENU and “CURRNT” stops flashing, then displays “RDG.OF.”
2. Press MIN until the meter displays “RDG.1=0”.
3. Press MIN until the meter displays “RDG.2=1”.
4. Replace the rear cover. Thread the sensor input wires through the slots on the cover then displays “RDG.OF.”
5. Replace the rear cover screw.

Set Up Reading Configuration
1. Press MIN until the meter displays “RDG.1”. Press MAX until the meter displays “RDG.1=0”.
2. Press MIN until the meter displays “RDG.2”.
3. Press MENU. The meter stores changes (if applicable) then displays “RDG SC.”

Connect ac Power
1. The connector has three screw-down terminals.
2. Insert the correct wire in each terminal and tighten the lock-down screw. Tug gently on each wire to verify the connection.

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- 4-20mA input (eg: load cell, calibrator)
- 1/8" Phillips head screwdriver
- 1/8" flat blades screwdriver

Connect ac Power
1. Remove the rear protective cover and set it aside. The cover is secured with a Phillips-head screw.
2. Locate connector P1 on the bottom-left rear of the unit. The connector has three screw-down terminals.
3. Insert the correct wire in each terminal and tighten the lock-down screw. Tug gently on each wire to verify the connection.

Connect a Current Transmitter
Follow these steps to wire a current input sensor with sensor excitation. This setup procedure is actually a series of short tasks. To complete Quick Start Setup successfully, it is important to perform all tasks in the order outlined in the Quick Start Setup.
1. Locate connectors P3 & P9 on the right-side-rear of the unit.
2. Attach the wires and tighten the retaining screws. Tug gently on the wires to verify the connection.
3. Apply ac power. The front panel of the unit flashes RESET2. If it does not:
   a. Remove ac power.
   b. Verify the P1 power and P3 and P9 input connections.
   c. Check your power source.
   d. Check your signal source.
4. Replace the rear cover. Thread the sensor wires through the slots on the side of the cover. Replace the rear cover screw.
5. Apply ac power once again.

Configure the Meter
Use the front panel buttons to access the configuration menus, to either verify or set the unit values. The function of each button is described below:

Meter Button Descriptions

- Press This Button To:
- sequentially recall previous setpoint settings (run mode only), store new setpoint values.
- access the configuration program menus and move from one menu to the next.
- enter and scroll through a submenu.
- change the value of a submenu.
- move backward one menu (press once) or exit the configuration menus (press twice).

Quick Start Setup
Quick Start Setup scales your meter to read 0 to 100.0 for a 4 - 20mA input. This setup procedure is actually a series of short tasks. To complete Quick Start Setup successfully, it is important to perform all tasks in the order outlined in the Quick Start Setup.

Set Reading Scale Factor and Reading Offset
1. Press MIN to display the scale factor value. Change the value, if necessary, to read “1.00000” (Use MIN to scroll through digits and MAX to change the digit’s value).
2. Press MENU. The meter stores changes (if applicable) then displays “RDG.OF.”
3. Press MIN until the meter displays “RDG.2=1”.
4. Press MENU. The meter stores changes, if applicable, then displays “IN CNF.”

Set Default Input Scale and Offset
1. Press MIN until the meter flashes. Change the value, if necessary, to read “100.0000” (Use MIN to scroll through digits and MAX to select 0 as the value). Setting “INF/0” disables input scale and offset.
2. Press MENU. The meter stores changes, if applicable, then displays “IN SC.OF.”

Wiring Example: Current Input with Sensor Excitation

1. Press MENU until the meter displays:
   1. Press MENU and “CURRNT” stops flashing, then displays “RDG.OF.”
2. Press MIN until the meter displays “RDG.1=0”.
3. Press MIN until the meter displays “RDG.2=1”.
4. Replace the rear cover. Thread the sensor input wires through the slots on the cover then displays “RDG.OF.”
5. Replace the rear cover screw.

Set Up Reading Configuration
1. Press MIN until the meter displays “RDG.1”. Press MAX until the meter displays “RDG.1=0”.
2. Press MIN until the meter displays “RDG.2”.
3. Press MENU. The meter stores changes (if applicable) then displays “RDG SC.”