5. Wiring the Milliamp Output

Current loop powered by meter

Current loop powered by external device

NOTE: For a 1-5V signal, add 249 Ω resistor here

NOTE: Powering the milliamp loop does not power the meter. A separate, isolated supply is required

6. Milliamp Scaling

NOTE: The milliamp full-scale value of each meter is fixed. To determine the value for a particular meter:

Press button twice or disconnect and reconnect power.

Display will read mA full-scale value

If you need a different scale range, please contact CDI.

Installation and Startup Guide for CDI 5200 and 5400 Flowmeters

Please refer to the data sheets for more detailed instructions.
1. Meter Location

- Maximum pressure is 200 psi in Sch. 40 steel and Type L Copper. Consult CDI about other applications.
- Air must be free of water droplets. Locate the meter downstream of a dryer. Otherwise, locate it after a mist-removal filter.
- Provide at least 20 diameters of straight pipe upstream of the meter, or 30 if it is downstream of anything that could distort or concentrate the flow.
- Weather resistant option or 6000 Series is required if the case could be exposed to moisture.

2. Drilling the Holes

- Air must be shut down.
- Wear eye protection.
- Shavings will enter pipe; make sure they will not cause problems downstream.
- Orient the drill guide for optimal meter visibility.

3. Mounting the Meter

- Check the flow direction.
- Orient display to suit application – rotate cover and display 180 degrees if appropriate.
- Do not over-tighten screws.

4. Powering the Meter

- Wall plug supply
- Isolated DC supply
- 24 Volt
- 250 MA Required