5. Wiring the Milliamp Output

Current loop powered by meter

Connection as three-wire transmitter

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

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.
- 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.

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
- OR -
Isolated DC supply

- Maximum pressure is 200 psi in Sch. 40 steel and Type L Copper.
- 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.
- 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.