

# ADDITIONAL SCALING PARAMETERS

## B2800 Simplified 4-20mA Programming Instructions

**Note:** If your B2800 Flow Monitor was ordered with a Blancett Turbine Flow Meter, the 4-20mA was programmed and factory calibrated.

**Flow 4 mA Setting** – When the loop powered option is ordered, the flow rate that corresponds to 4mA must be set. Zero is default flow rate for this setting. If the current selection is correct, press the **ENTER** key once to advance to the next parameter. If adjustment is required use the → arrow key to select the position of the number you wish to change, then, use the ↑ arrow key to increment the number. Once you have completed this step, press the **ENTER** key to advance to the next parameter.

**Flow 20 mA Setting** – The flow rate that corresponds to 20mA must set next. The turbine meter's maximum flow rate is the default value. If the current selection is correct, press the **ENTER** key once to advance to the next parameter. If adjustment is required use the → arrow key to select the position of the number you wish to change, then, use the ↑ arrow key to increment the number. Once you have completed this step, press the **ENTER** key to advance to the next parameter.

**4-20 mA Calibration** – When ordered with a 4-20 mA option this menu item allows the fine adjustment of the 4-20 mA output. The 4 mA setting is typically between 35 and 50. To set the 4 mA value, connect an ammeter in series with the loop power supply. At the **4 mA OUT** prompt, adjust the 4mA value to obtain a 4mA reading on the ammeter. The ↑ arrow key increments the value and the → arrow key decrements the value. When a steady 4mA reading is obtained on the ammeter, press the **ENTER** key to lock in this value and move to the 20mA adjustment. The 20mA adjustment is performed using the same procedure as the 4mA adjustment.

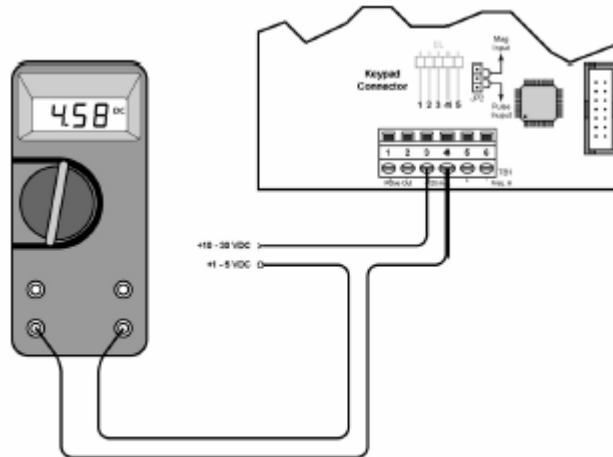


Figure 1 - Typical Ammeter Connection

**4-20 mA Test** – The monitor contains a diagnostic routine that allows the simulation of mA values between 4 and 20 to check output tracking. At the 4-20TEST prompt the arrow keys change the simulated mA output in increments of 1mA. The ammeter should track the simulated mA output. If a 4-20mA test is not necessary, pressing the ENTER key once will escape the testing at any time.