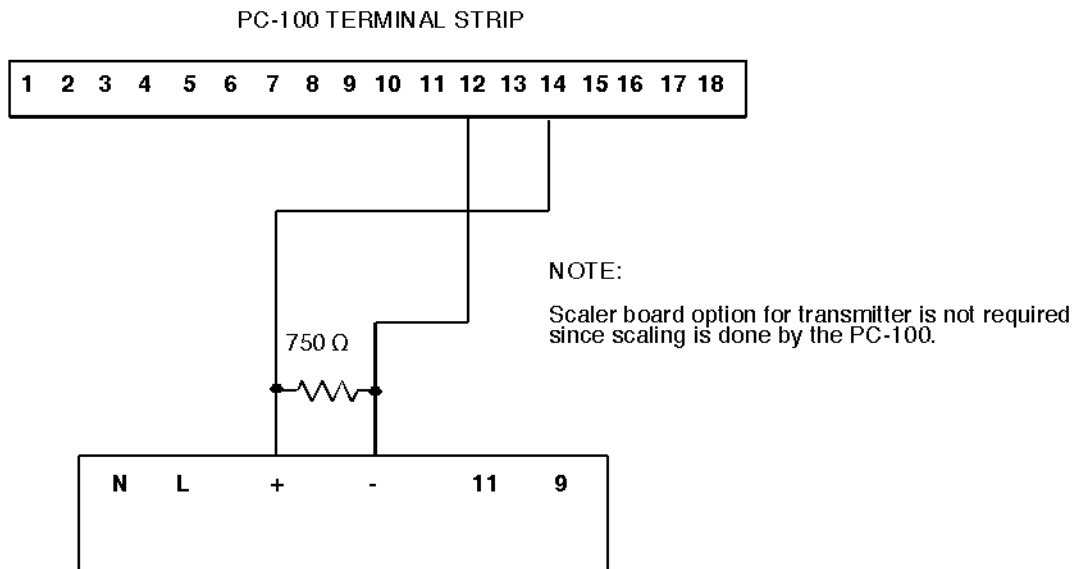


PC-100/FISCHER & PORTER MAG METER

APPLICATION
BRIEF

CONNECTION DIAGRAM

**NOTES:**

Circuit as shown, will produce a 15VDC pulse at the input of the PC-100.

Use the following formula to calculate the meter index. (in gallons):

$$\text{Meter Index (pulses/gallon)} = 60000/\text{max. rate of flow of meter (gal/min)}$$

Use the following formula to calculate scale factor (gallons):

$$\text{Number of pulses per gallon/meter index} = \text{scale factor}$$

Examples:

If the maximum rate of flow of the meter is 180 GPM, the meter index is
 $60000/180 = 333.33$ pulses/gallon

If you wish to read to the nearest 1/10 of a gallon on the PC-100, the scale factor
 will be $10/333.33 = 0.030$



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