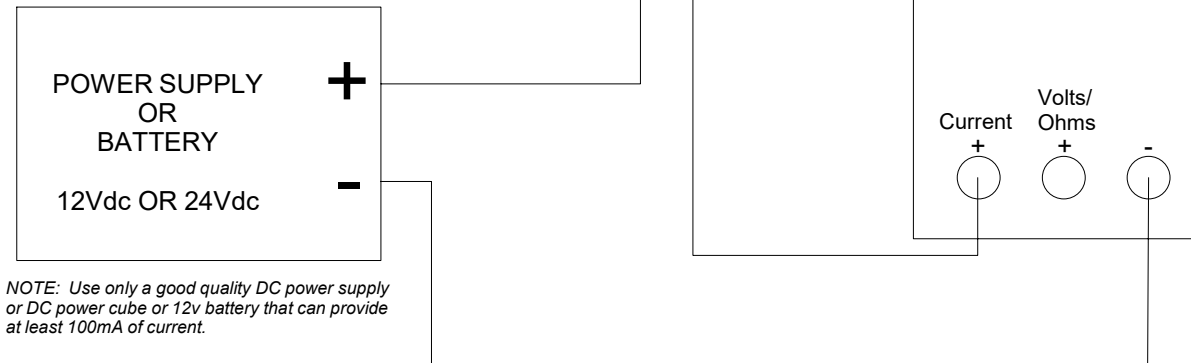


# TN07 - Technical Note on how to measure the LIT-100 4-20mA loop current

October 2022

The purpose of this Technical Note is to demonstrate how to measure the loop current in the 4-20mA output of the LIT-100. Installers and technicians may find this note useful for confirming normal operation of the 4-20mA Analog Output on the LIT-100.

LEVEL INDICATED ON LIT-100 FRONT PANEL	4-20mA LOOP CURRENT SET BY LIT-100 (+/- 0.10)
No level indicated (ALL level LEDs off)	4.0
No level indicated <b>AND</b> there is a Cable Open Circuit or Cable Short Circuit FAULT (RED LED ON)	0.0
10%	5.0
20%	6.0
30%	7.0
40%	8.0
50%	9.0
60%	10.0
70%	11.0
80%	12.0
90%	13.0
100%	14.0



1. Connect meter as shown. Make sure you plug the positive lead into the 'Current' input on the meter and NOT the Volts/Ohms input.
2. Set the meter to measure current and set the range so you can measure 4mA to 20mA.
3. Connect the negative input of the meter to the negative input on the power supply or battery.
3. LAST STEP, connect the positive wire from the power supply to the LIT-100 4-20mA + .

\*The meter should immediately indicate the current in the 4-20mA loop.\*