

How to add a current plot to Signal Express.

Plot the current in a branch of the circuit, connect a voltmeter across a resistor (Rshunt) that will be used to sense the current of interest. Plot this voltage as a current in mA a scale factor is needed to convert the voltage across the resistor to current (mA/V).

Load BaicDCSweep

1. Step setup Tab

Add formula data step to output section of the Sweep loop.

Open Step Setup Tab > Open Add Step Tab > Add Step >

Processing > Analog Signal > Formula.

Divide voltage across Rshunt by Rshunt this will be in **amps**. You must scale to **mA**.

Current in mA = 1000 (V / Rshunt)

Drag this new step into the sweep loop just below the DMM step (Voltage across Rshunt).

2. Step setup Tab

Open the sweep step > Sweep Output Tab > Add > Formula > Processed Data (current though Rshunt vs. Voltage X-Axis.

3. Select Data View Tab

Add Display pull down menu > X-Y Graph

Right click in the new graph area > signals > add signal > check box Processed data vs. Ch2 Voltage Level.