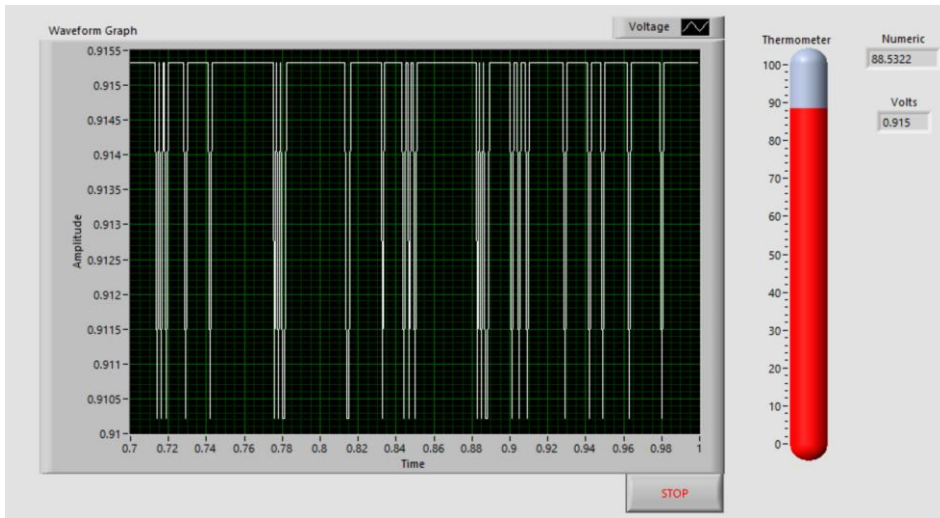
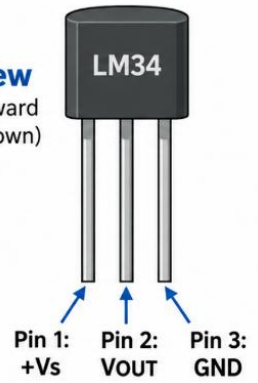
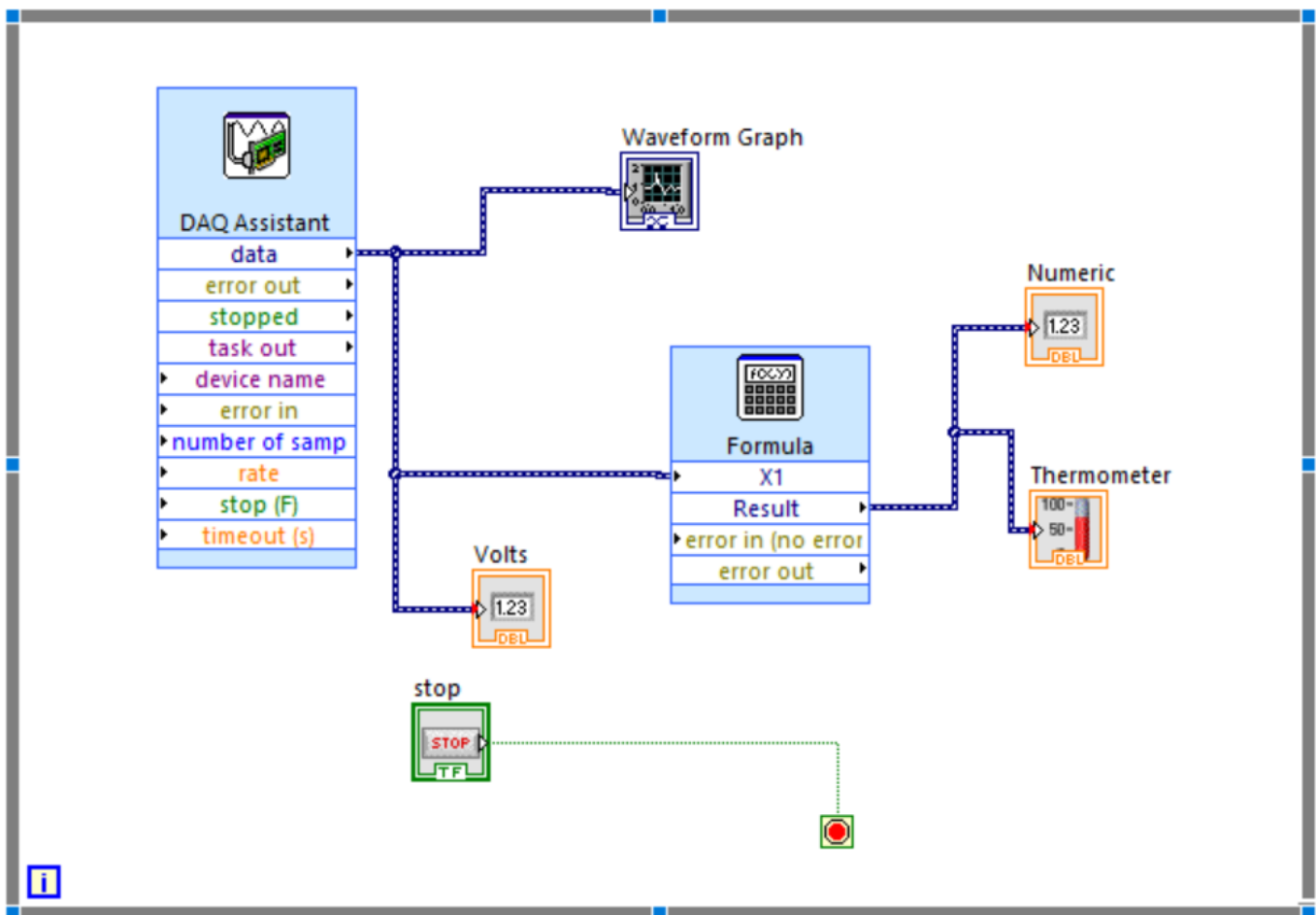


Completed Activity Overview:



Front View
(flat face toward
you, leads down)

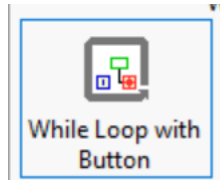


Steps:

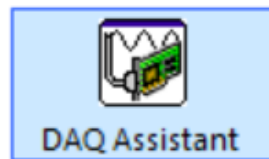
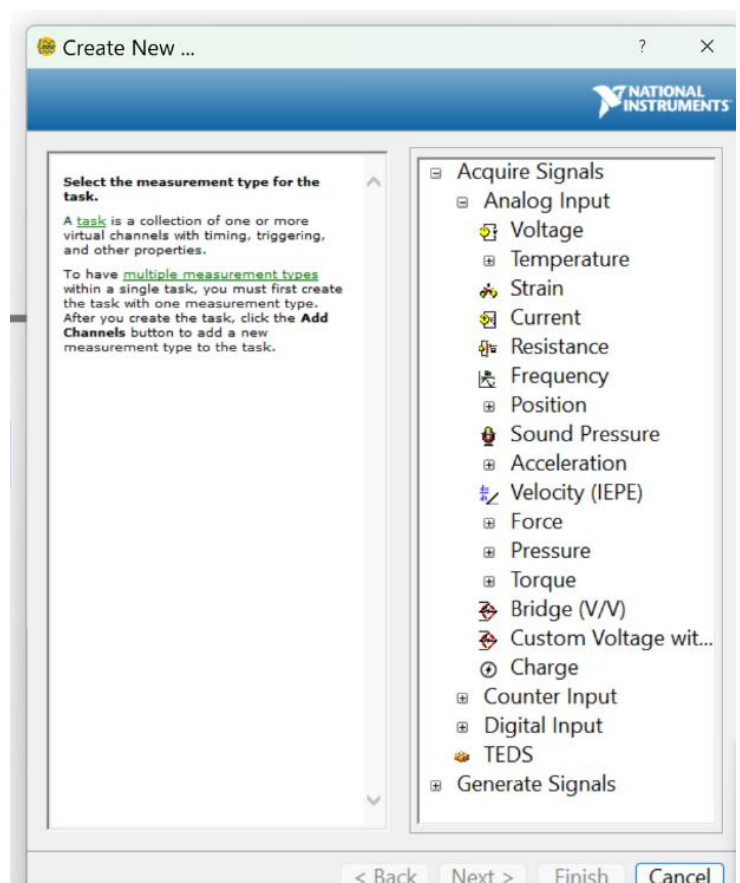
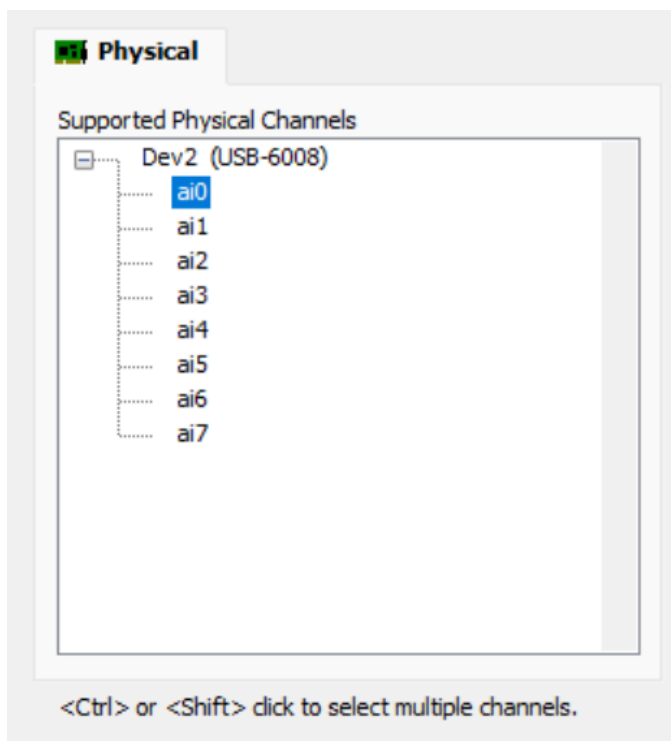
Open a blank VI by selecting **File** >> **New VI**

On Block Diagram

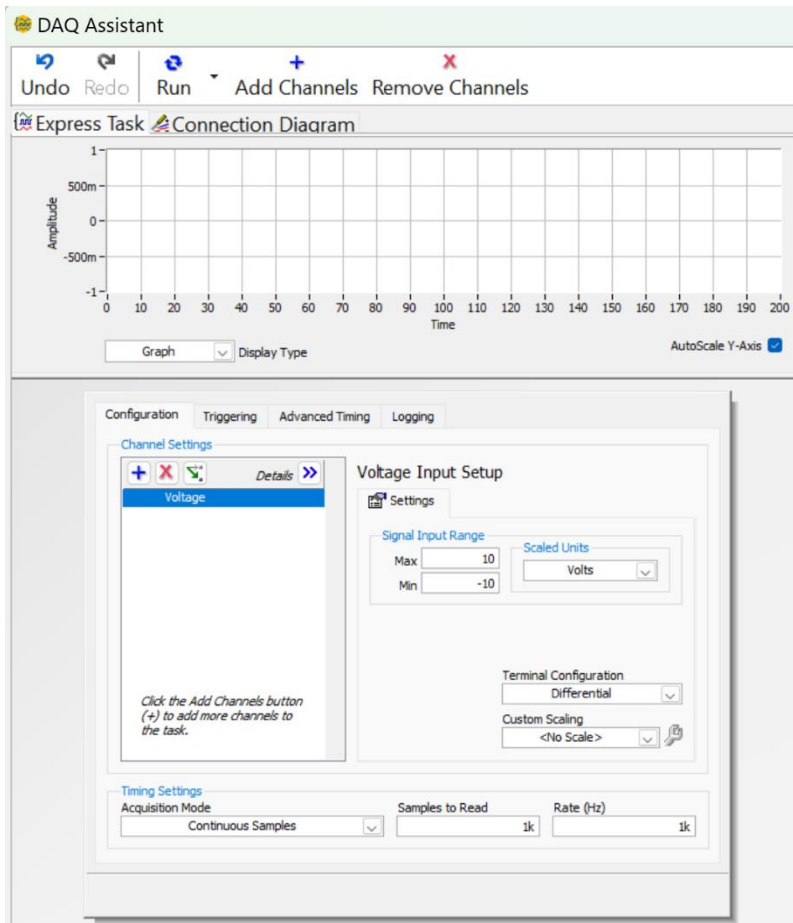
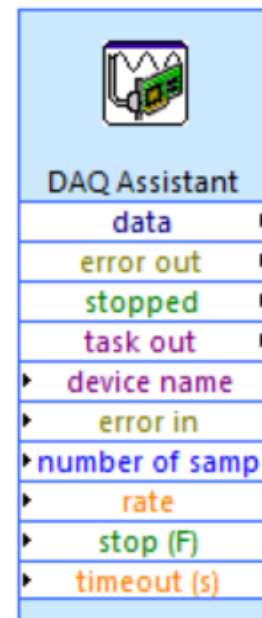
Right click
Express
Exec Control
While Loop with button



Right click
Express
Input
DAQ Assistant
Choose Dev1 (or the name of your device)
>>Acquire Signal>>Analog Input>>Voltage>>ai0
>>Finish

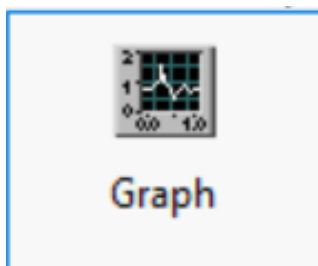
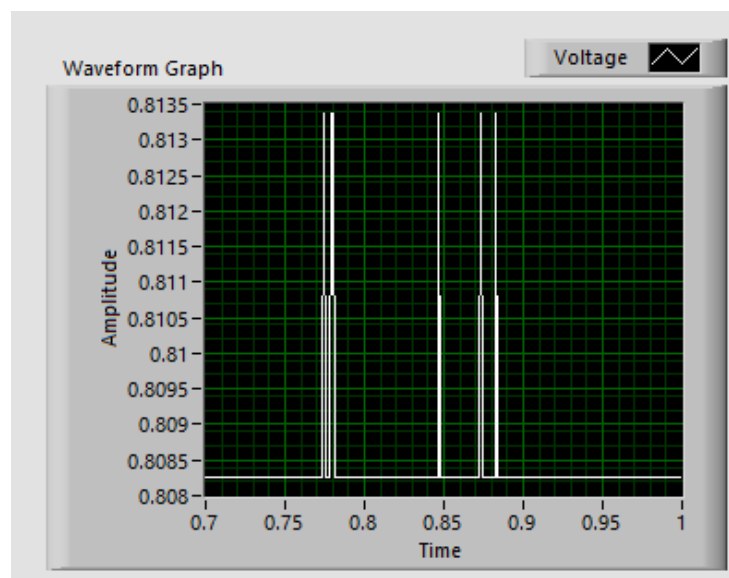


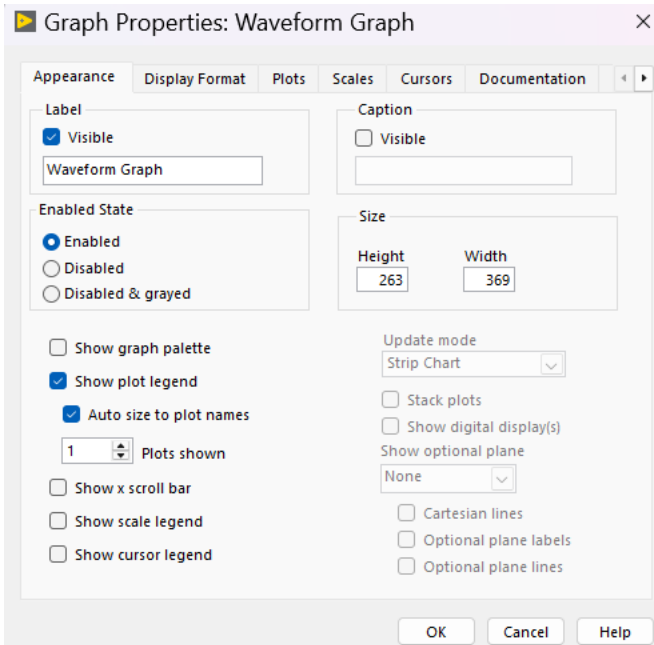
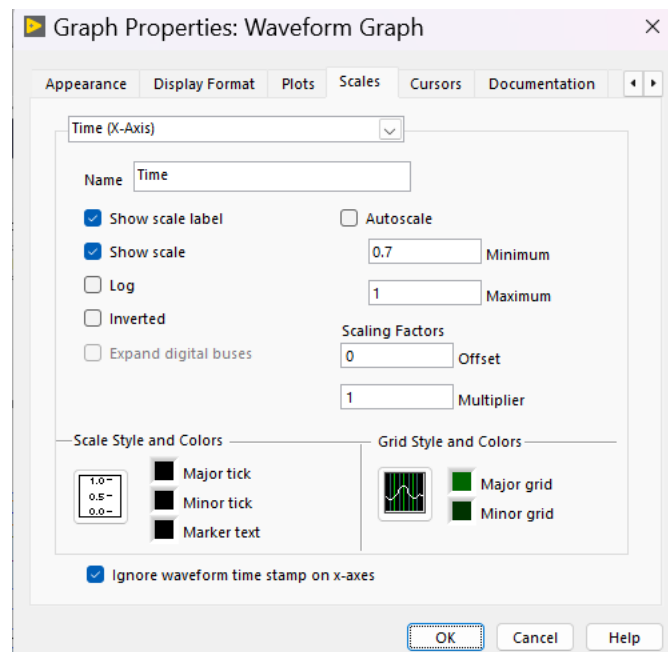
Set up the configuration as follows:



On the Front Panel

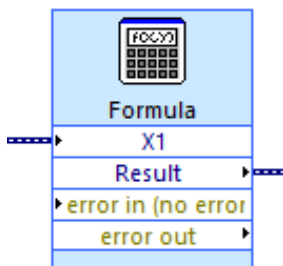
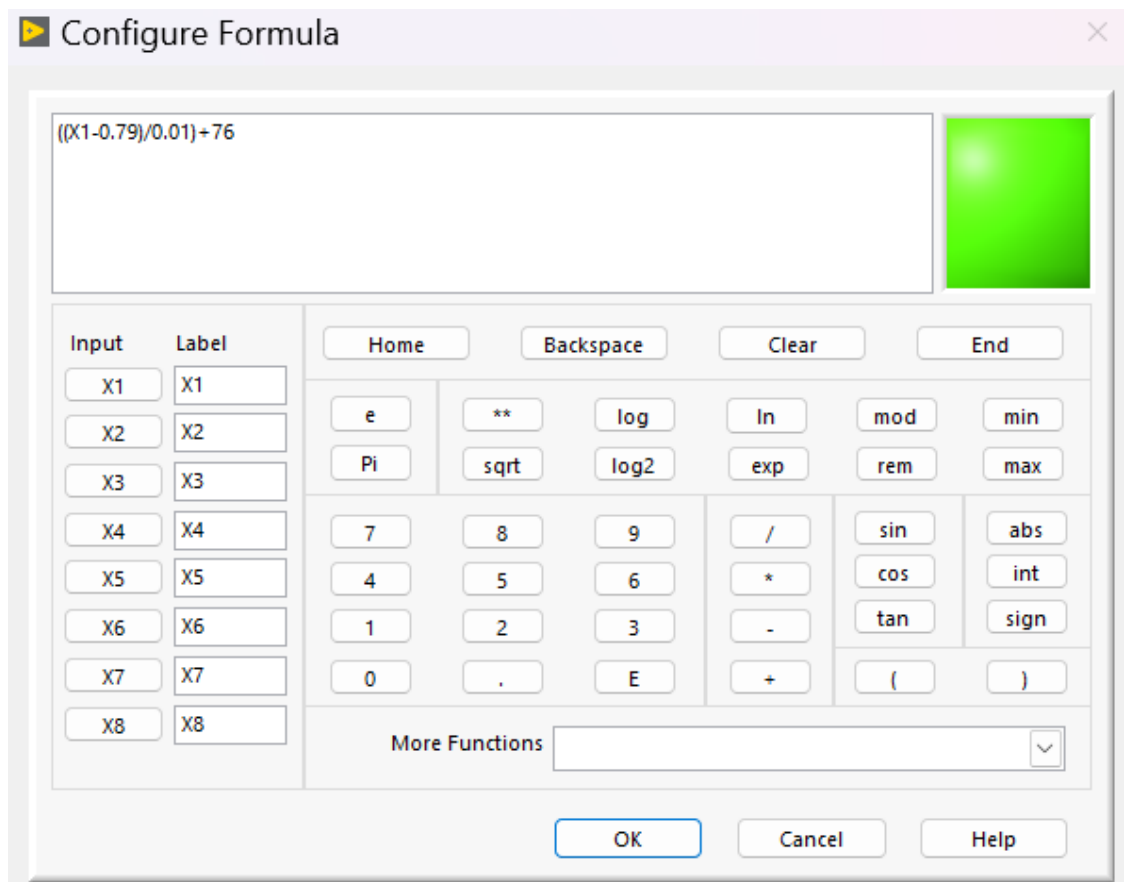
Right click
Express
Graph





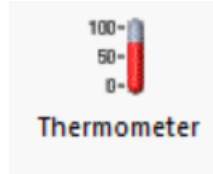
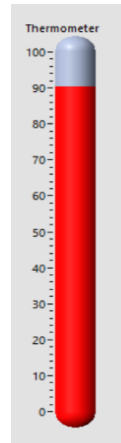
On the Block Diagram

Right click
 Express
 Arith and Compar
 Formula

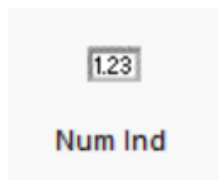
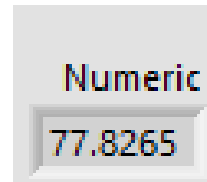
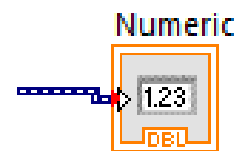


On the Front Panel

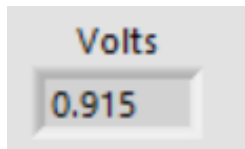
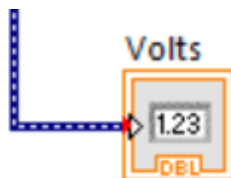
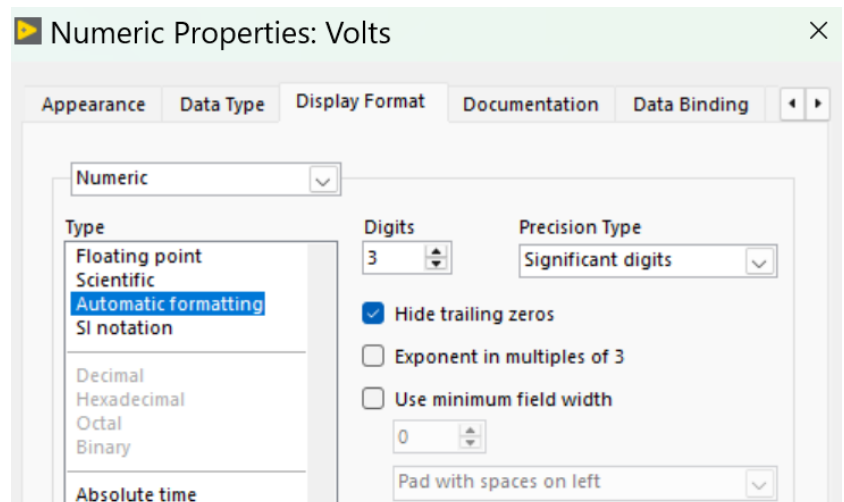
Right click
Express
Numeric Indicator
Thermometer



Right click
Express
Numeric Indicator
Num Ind



Add another Numeric Indicator and call it Volt.



If you wish, you can use other types of VIs as a meter. The data comes from the DAQ Assistant. The data is branched from the DAQ Assistant output, just like the voltage numeric indicator.

