



**Q1: Measuring 9V Battery**

The goal of this experiment is to be able to check a 9V battery voltage by direct measurement through the USB-6008 card and show the measured voltage on an indicator of your choice.

**Q2: Measuring a Voltage Divider**

Similar to the previous experiment, you will construct a voltage divider using two 10k $\Omega$  resistors and a 9V battery supply. The voltage at the divider resistor should be 4.5V which should be confirmed with LabVIEW measurement.

**Q3: Simple Output to Input Reading**

Use USB-6008 Analog Voltage Output channel to generate a DC voltage in the range from 0V to 5V using a control block of your choice. Once the signal is sent to the card, you will read it back using an Analog Voltage Input of the same USB-6008 card to show it is working fine.

**Programming Checklist:**

Q1.

DAQ USB Connection to PC	
Battery Connector Socket	
DAQ correct Input Channel	
DAQ Assist Configuration	
Meter Indicator	
Running Code Readout	

Q2.

Voltage Divider Circuit	
Meter Indicator	
Running Code Readout	

Q3.

O/P DAQ Assist Configuration	
Output Voltage Settings	
Running Code Readout	