



WORKSHEET 1-2
Using a Digital Multimeter: Current Measurement

Worksheet Objectives

In this worksheet, you will practice making current measurements with a digital multimeter (DMM). When you have completed this worksheet, you will be able to use a DMM to make current measurements.

Tools and Equipment

For this exercise you will need the following:

- Electrical simulator
- Digital multimeter

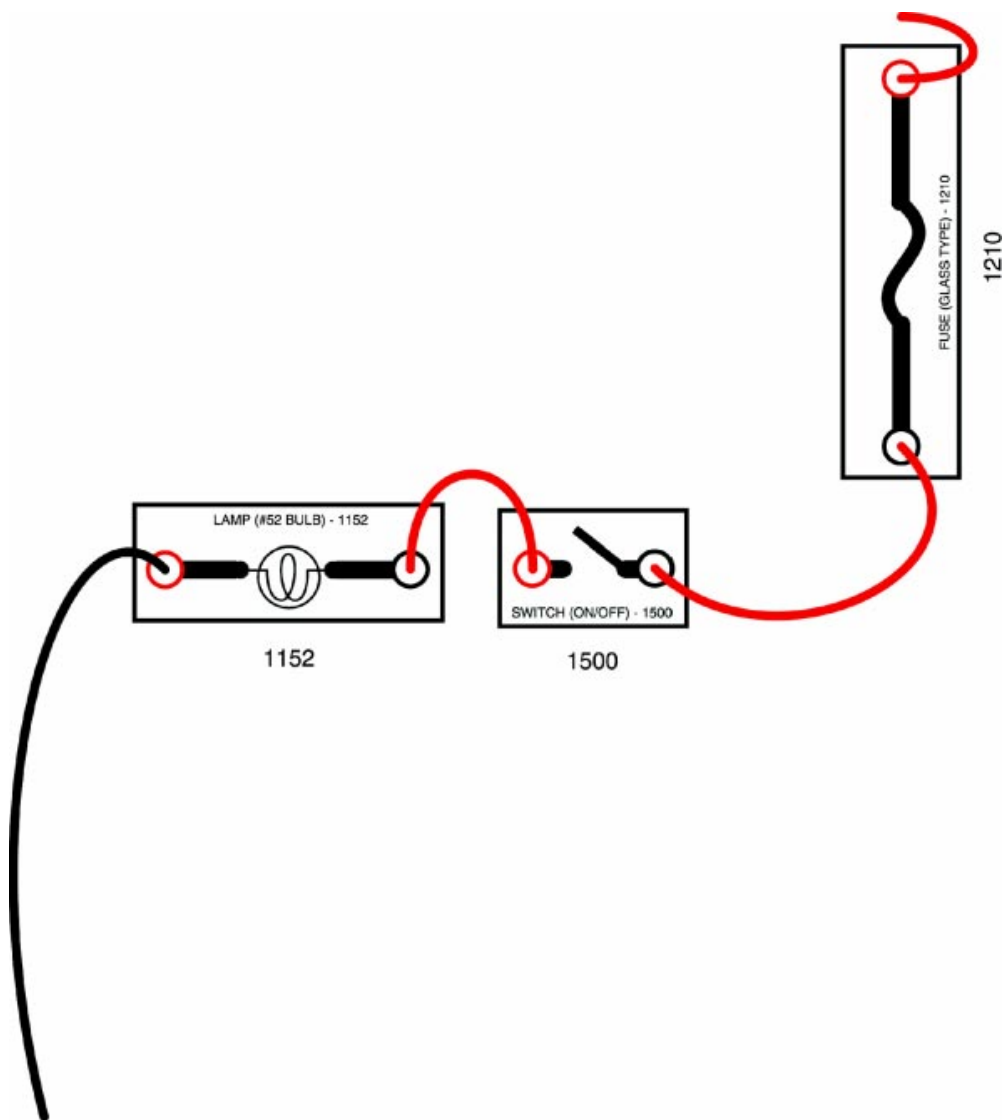


Fig. 1W2-1
 TL623f001c-1W2

Exercise 1: Measuring Current

1. Continue to use the circuit shown in Fig. 1W2-1.
2. Turn off the electrical simulator power supply.
3. Remove lead between the fuse and the switch.
4. Set up your DMM to measure the current in this circuit:
 - Mode selector to milliamps/Amps.
 - Auto-range on.
 - Red lead on Amp jack.
 - Black remains on COM jack.
 - Connect the red lead to terminal B of the fuse.
 - Connect the black lead to terminal C of the switch.
5. Turn on the electrical simulator power supply and close the switch.
6. Interpret the amperage value on the DMM display and write it here: _____ Amps.
7. Re-install lead between the fuse and the switch.
8. Leave Circuit 1-1 on the electrical simulator for use in the next worksheet.

Note: If the reading is less than 200mA, you can use the 200mA jack on the DMM for a more accurate reading.

Current Measurement

Name: _____ Date: _____

Review this sheet as you are doing the Current Measurement worksheet. Check each category after viewing the instructor's presentation and completing the worksheet. Ask the instructor if you have questions regarding the topics provided below. Additional space is provided under topic for you to list any other concerns that you would like you instructor to address. The comments section is provided for your personal comments, information, questions, etc.

I have questions

I know I can

Topic	Comment		
Measuring Current			



Notes