

Meter Exercise TEJ20

We have 3 meters in the class today:

Analog Meter

Instek Digital Multi-meter

Fluke Digital multi-meter

What can they do?

Measure

Voltage

Current

Resistance

Frequency

Forward Bias Voltage (Diode sign)

In groups of 2 you are going to use the meters.

EX 1: Define all above terms

EX2

Measure the Voltage in the wall using all 3 meters, take a picture to put into a word DOC, use your Phone camera.

EX3

Measure the Frequency using 1 Digital meters

From the internet get a picture of what this waveform looks like.

Measure the resistance of 4 different resistors, take pictures as your measuring.

Ex4

Using your 5V Bread boards you to make a Diode (LED) turn on using a DIP switch. Use the same Resistors as you used last week. (220 ohm).

Demonstrate how to Measure the Voltage dropped across the whole circuit and Across the LED.

You are to use the Digital meters and measure the current, remember INSTEK must be in Series. Use the Fluke as well

Get Mr. Regier to check your circuit for this one.