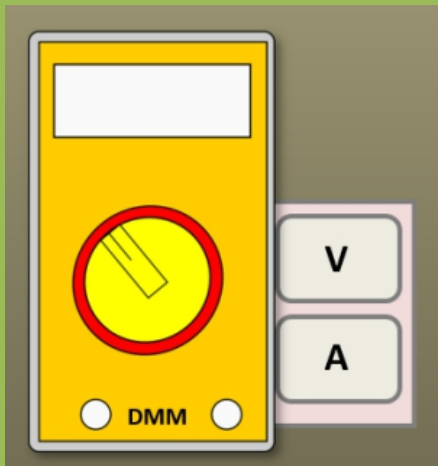
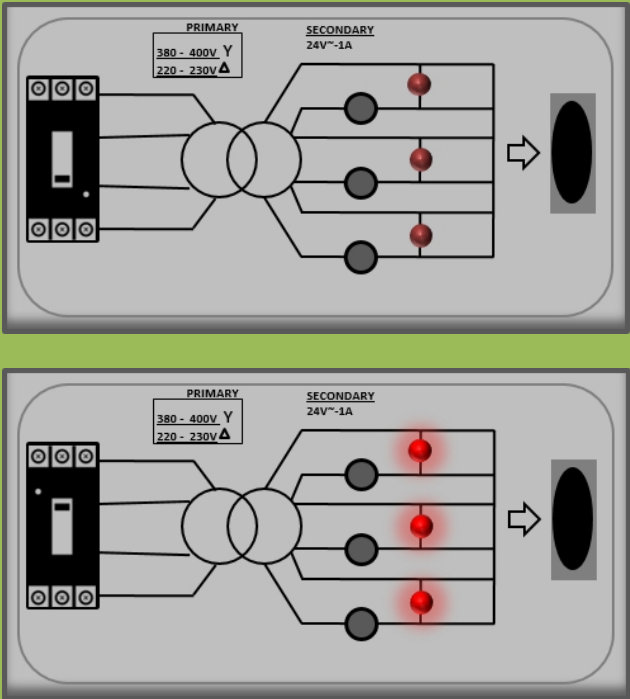


NEED HELP?

COMPONENTS



PURPOSE

- **Power Supply** is the origin of incoming electricity. In most cases, the electricity source is an outlet, battery, or generator. The power supply works to convert the power from the source into the correct format and voltage.

- **Banana Jacks** are a single-wire electrical connector used for joining wires to equipment.

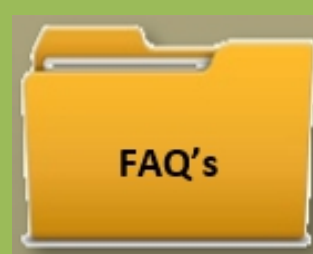
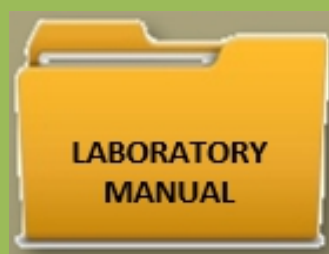
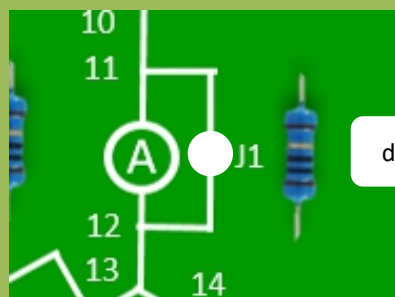
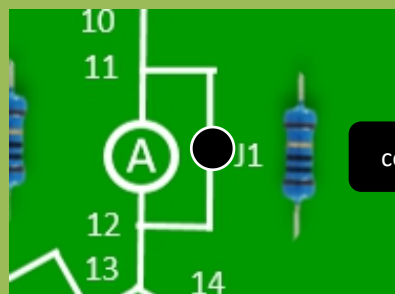
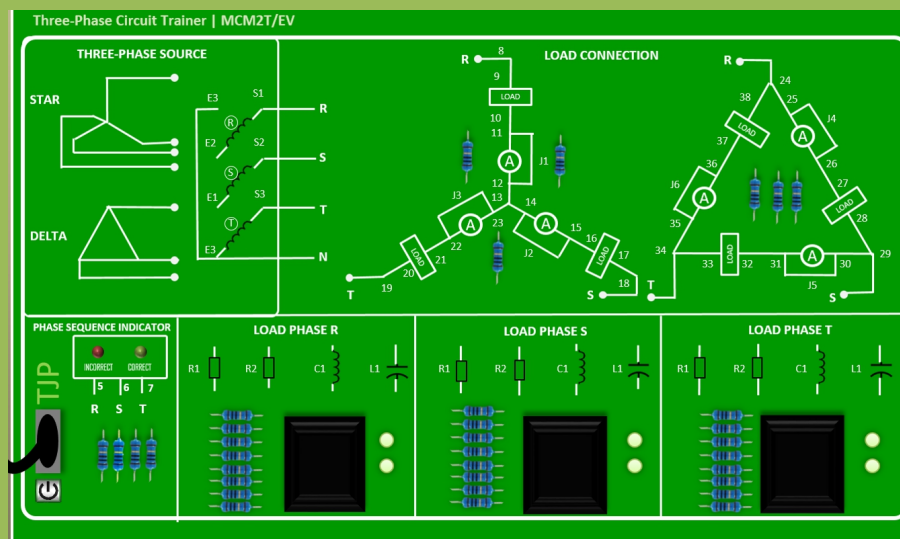
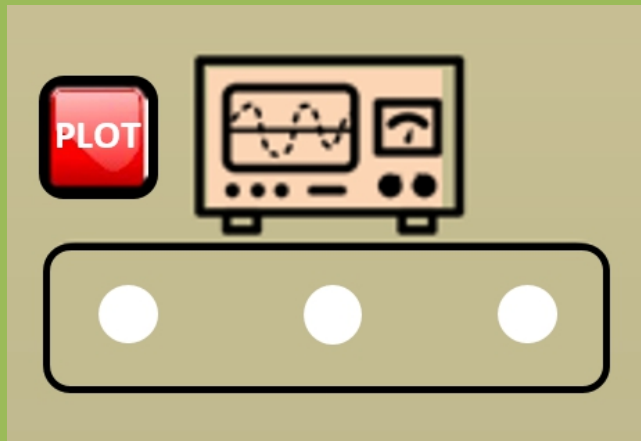
- **Digital Multimeter** is a test tool used to measure two or more electrical values—principally voltage (volts), current (amps) and resistance (ohms).

HOW TO USE

- Tap the switch on the left side to turn on the power supply.

- Banana jacks displays blue connection.
- Click the banana jacks to activate its operation and tap the terminals to make a connection.

- Multimeter displays red connection.
- To measure the voltages and currents, multimeter must be clicked to activate the operation.
- Tap the terminals that is needed to measure. If voltage is needed, click V and for current, click A.



- **Oscilloscope** tests and displays voltage signals as waveforms, visual representations of the variation of voltage over time.
- Oscilloscope displays black connection.
- Simply tap the terminals (white buttons) to make a connection to the trainer board. After finishing the connection, click the plot button to simulate.
- Trainer Board is connected to the power supply using the power cord. Trainer board will only function if the power supply and the trainer board is ON. You can see the switch under of the trainer board under the power cord. Connections of banana jacks, multimeter and oscilloscope are necessary to measure the values needed in every laboratory activities.
- **Jumper** is a short length of conductor used to close, open or bypass part of an electronic circuit.
- Instructions were listed in the laboratory manual. If you need to connect a jumper, just tap the jumper (J1, J2, J3, J4, J5, J6) and it will show a black dot which displays that the jumper is connected.
- Laboratory Manual contains all the laboratory theories and activities that is needed in the laboratory.
- FAQ's are some questions that might asked by a user about the website.
- These folders contains the **Laboratory Manual** and **Frequently Asked Questions**