

## MULTIMETER PC SOFTWARE

### USER MANUAL

The software has the following functional hierarchy : -

1. Connected Mode
2. Disconnected Mode
  - a. Load saved Data
  - b. Mask Testing

#### Connected Mode

1. On startup, from the top right corner "Mode" dropdown, select "Connected Mode"
2. After connecting the USB device, click on the "Start" button on the center-top of the screen
3. There is a dual screen display which emulates the screen of the multimeter, i.e. the screen displays the screen in the software displays the actual screen of the multimeter. Also, buttons on the screen work the same as they do on the physical device.
4. The user can choose among several different measurement modes -. Resistance, AC Voltage, AC Current, DC Voltage, DC Current, Continuity and logic.
5. The user can also choose from different speeds of data acquisition.
6. In order to **save data**, data acquisition must be paused and then click on the save button.
7. A save window will pop up and the .csv save data file can be stored anywhere on the system.

#### Disconnected Mode

- a. Load saved data
  - i. Choose "Disconnected Mode" from the top right corner of the screen
  - ii. There will be two tabs visible, choose "View" tab
  - iii. Click on Load
  - iv. Load desired compatible .csv file from system using the load popup box
- b. Mask testing
  - i. Choose "Mask Testing" tab
  - ii. Click on "Load Data"
  - iii. Choose a data file
  - iv. Click OK
  - v. Now, either create a new mask or load mask file
    1. Load mask file using load mask file button
    2. Choose High or Low mask and choose desired mask
    3. Click on test mask
    4. To save mask file, click on save mask