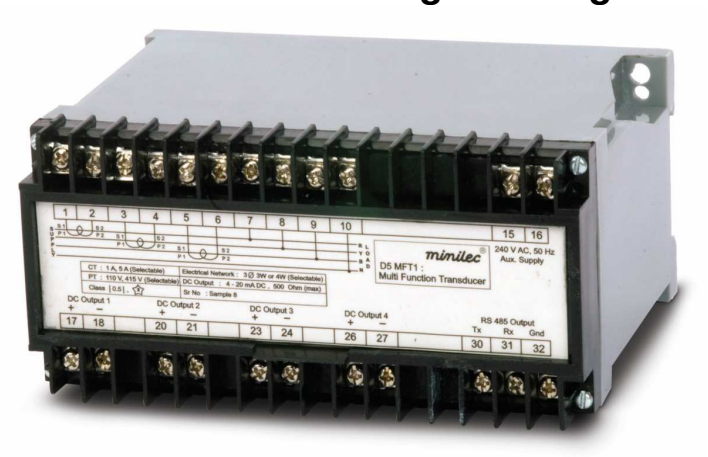
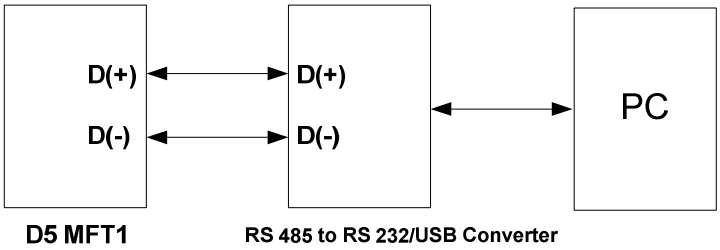
D5 MFT1 Programming Guide



Step 1) First Connect D5 MFT1 to Computer. The connections are mentioned below.

RS 485 Communication Connections :

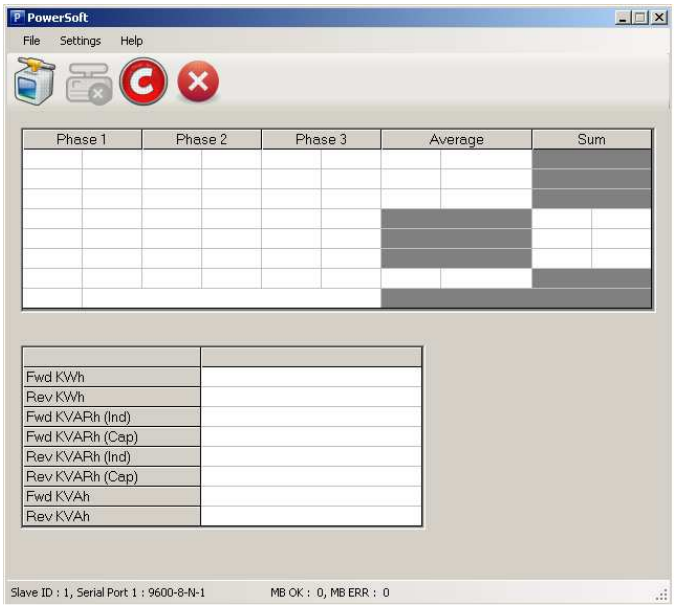
RS 485 Half Duplex Connections D(+) and D(-) are provided on the Transducer.
Ensure that following connection scheme is followed.



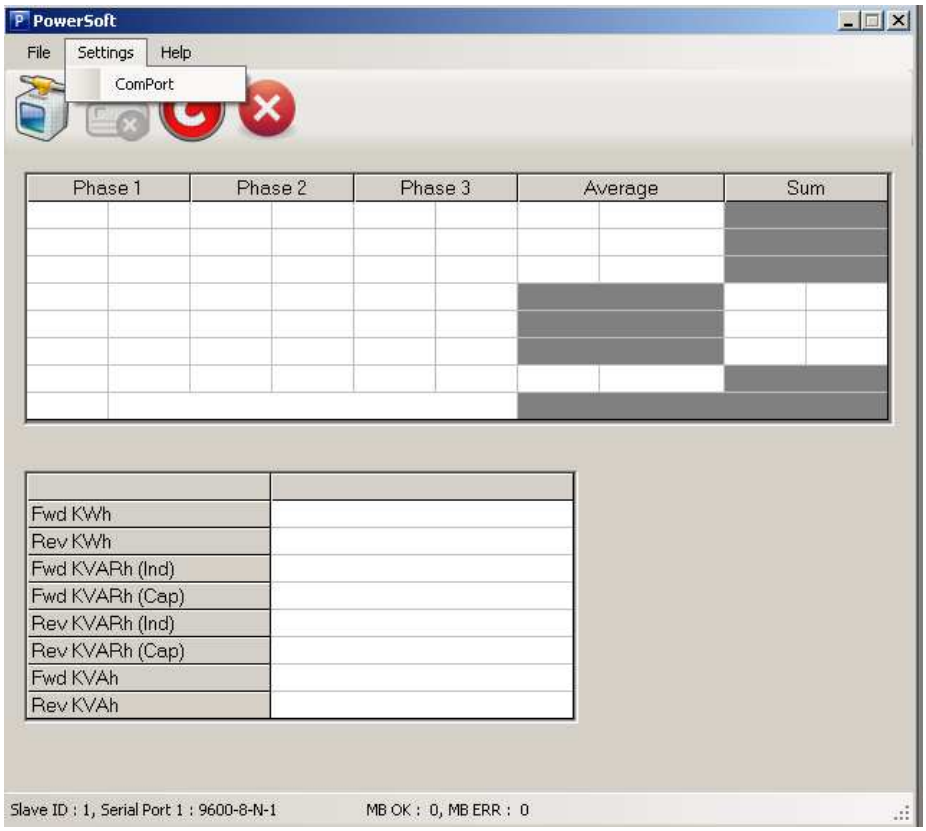
Step 2) Copy the PowerSoft Application Software from CD to your Laptop or Desktop Computer.
Note : The application will work with Windows Operating System Windows XP or less.

Step 3) Double Click on the PowerSoft Application Icon. Please make sure that Transducer and Converter are powered on.

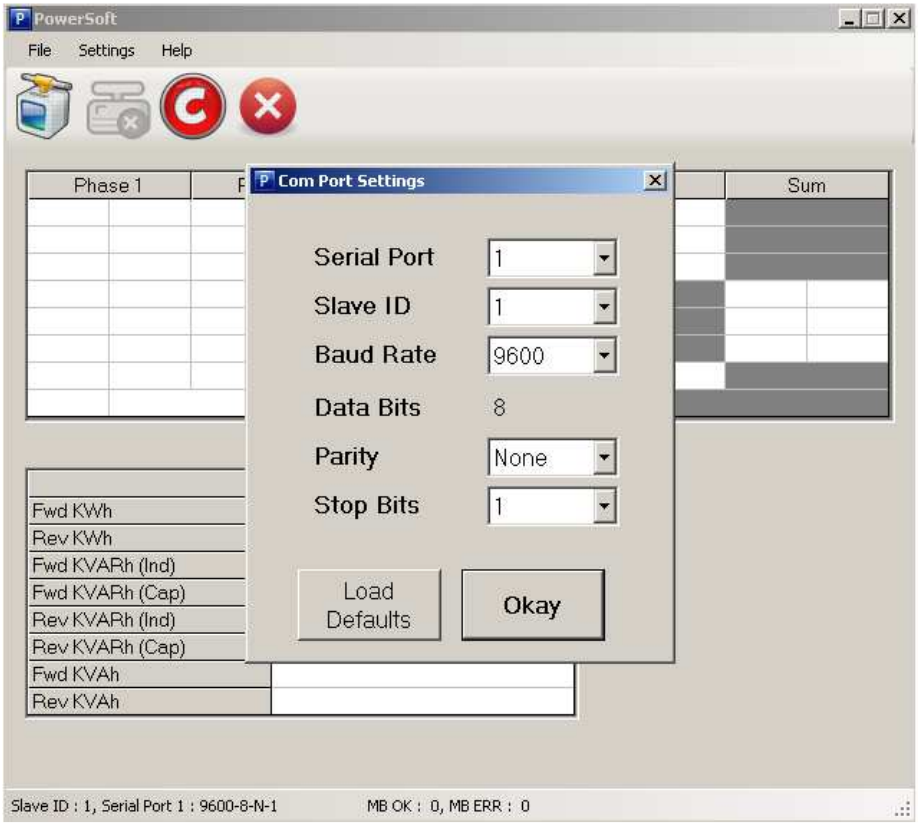
Step 4) You will see the screen as under.



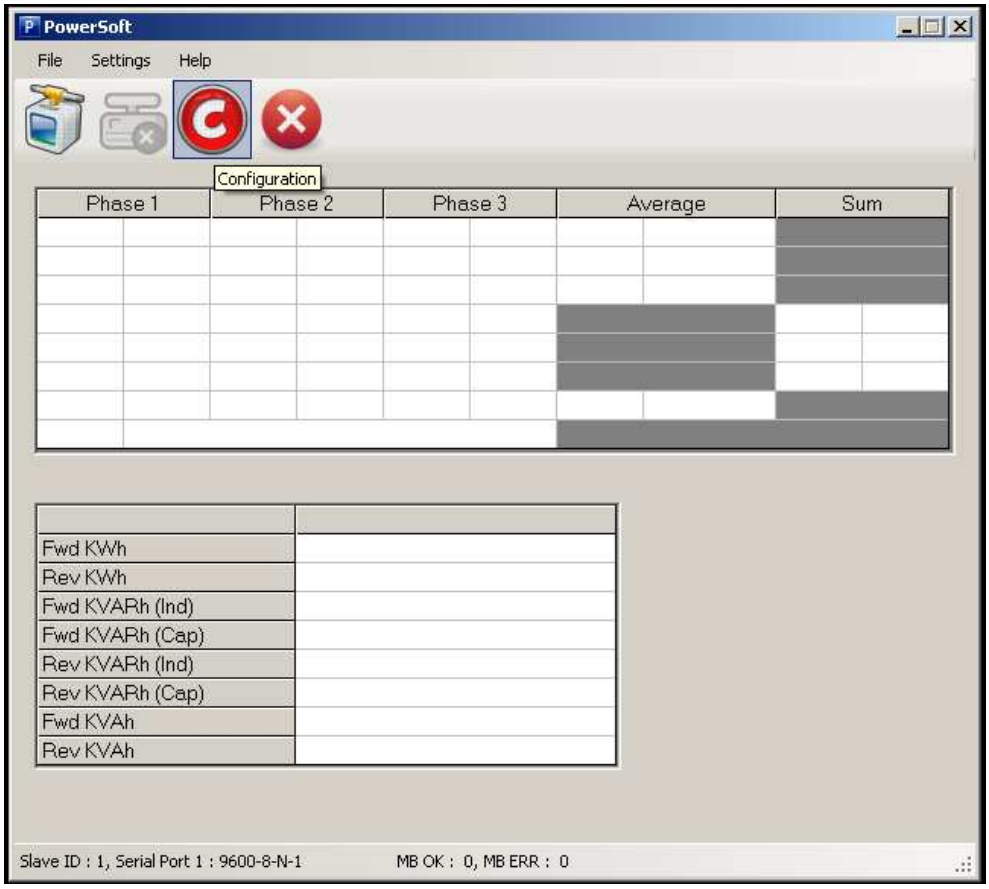
Step 5) Click on ComPort under Settings Tab.



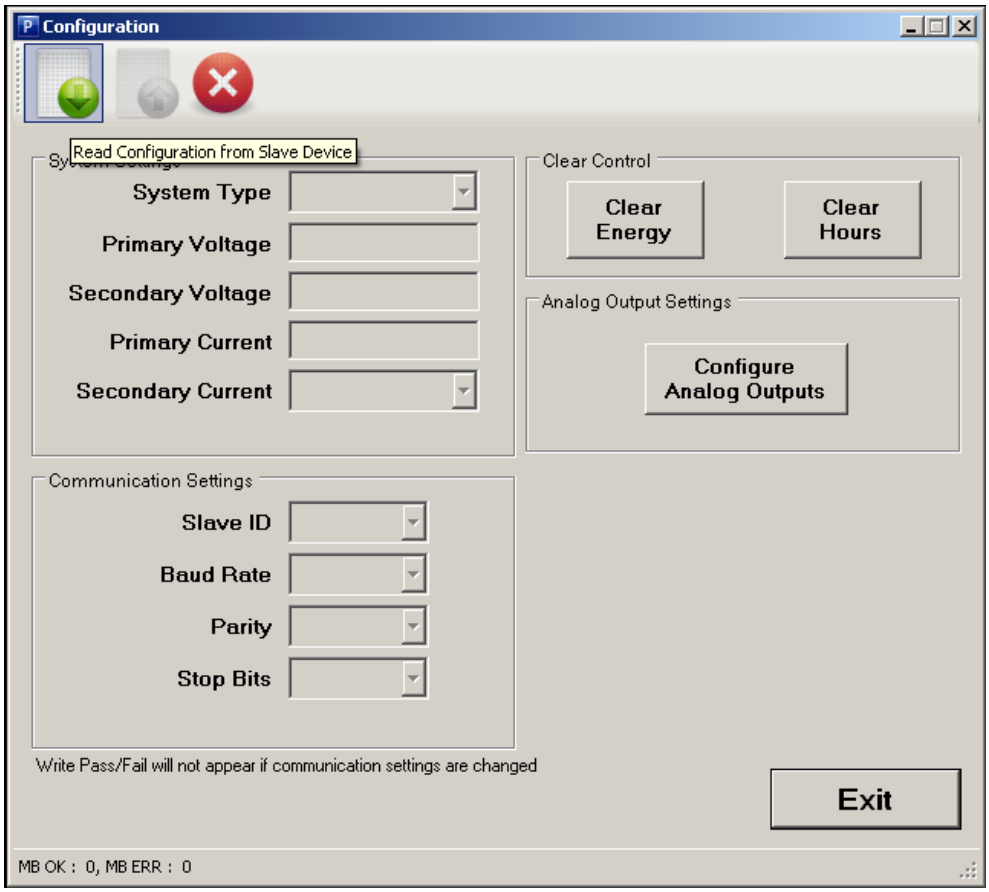
Step 6) Please select the options as under. **All MFTs are assigned address (ID) as 1 at the time of shipment.** The Serial Port Address is same as the COM Port Address. Please check the existing Com Port Address using Windows Device Manager. Please note that for USB – RS 485 Converter, it is listed as Bridge.



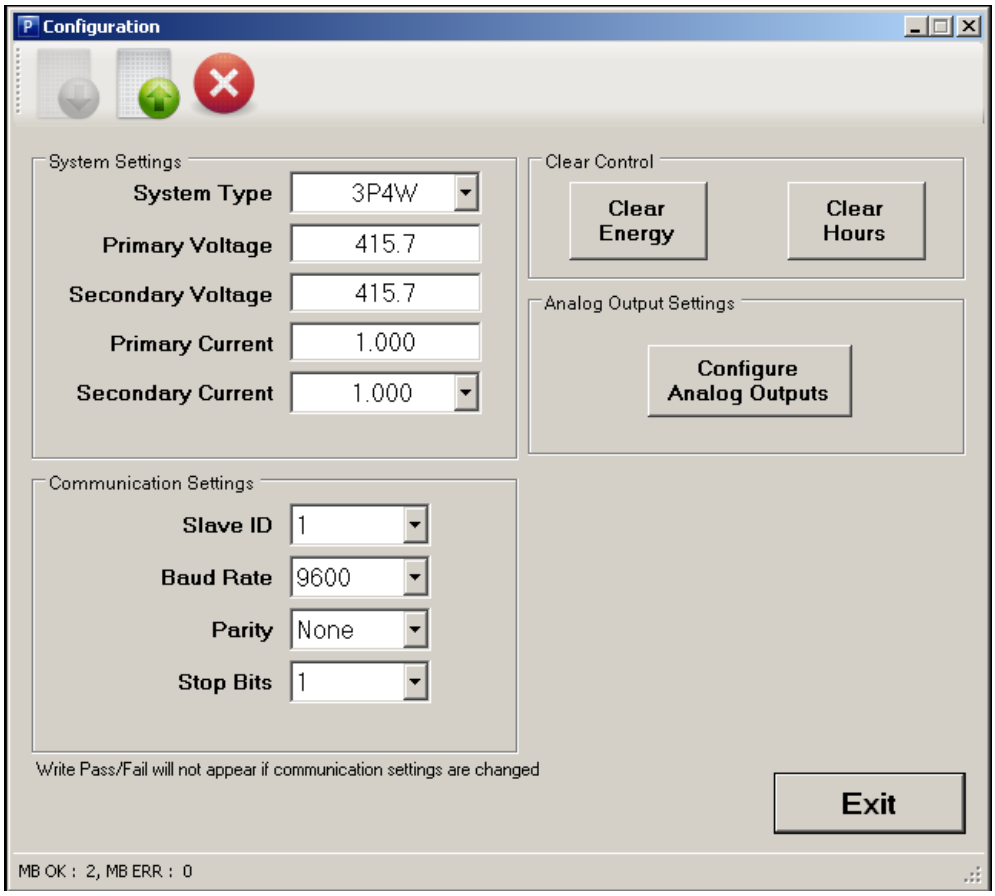
Step 7) Now read configuration from the MFT to further change any settings if required. Go to Configuration icon marked as C and click on it.



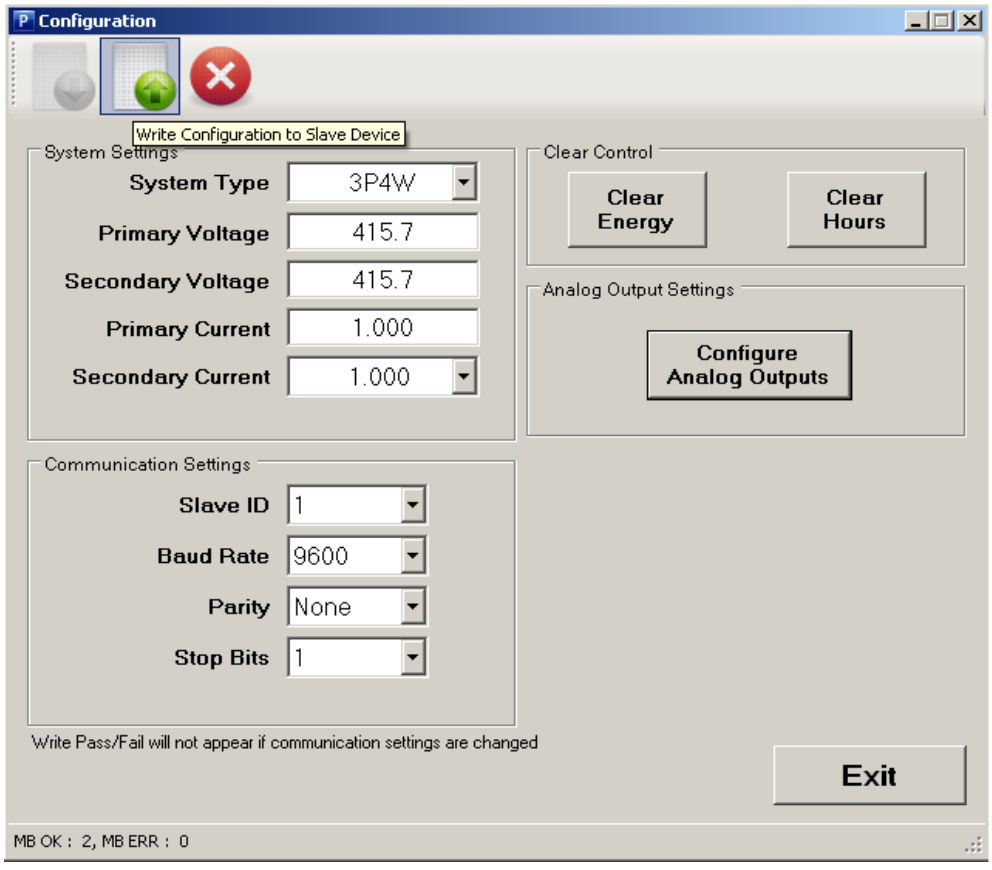
Step 8) Click on the Green Down icon as shown below.



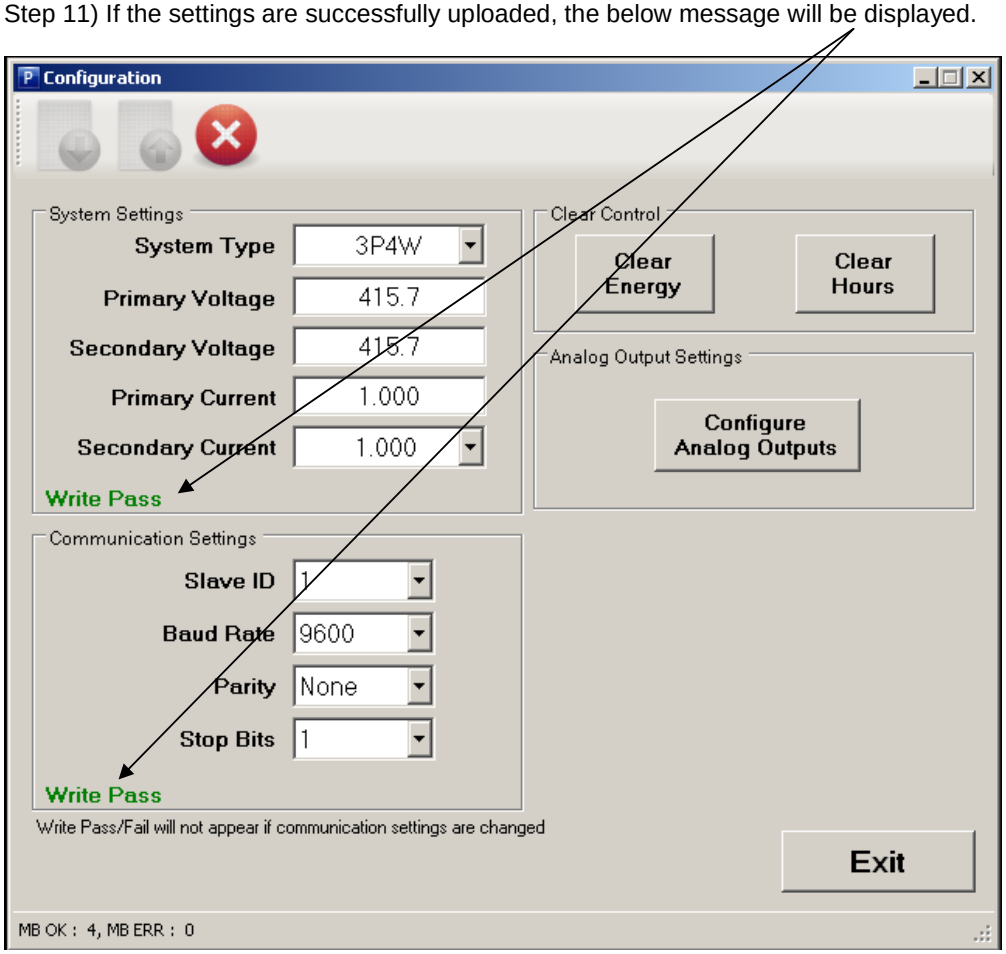
Step 9) This will read the existing Transducer configuration.



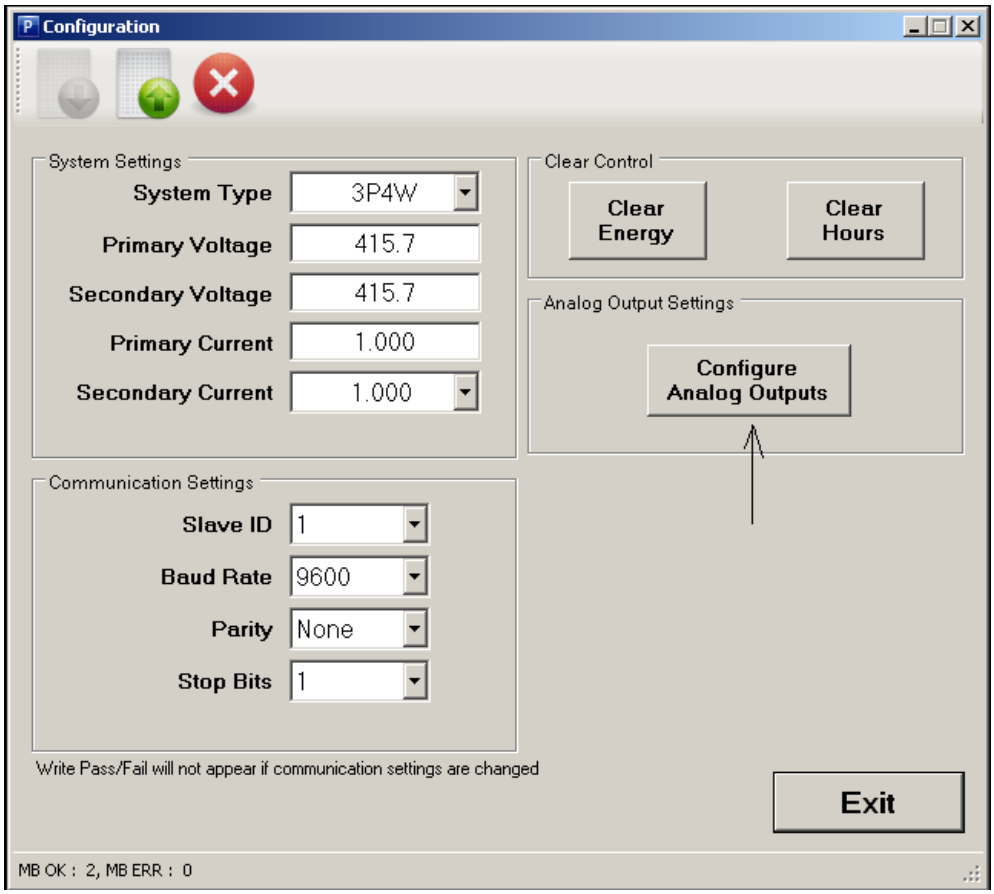
Step 10) Now System Settings like System Type 3 Phase 4 Wire or 3 Wire, PT Ratio, CT Ratio, Device ID and Baud Rate can be changed in this screen. Please note that Primary Voltage or Current Rating are to be entered in units place e.g. 11KV = 11000, 220KV = 220000 etc. Once the changes are done . Click on the icon as shown.



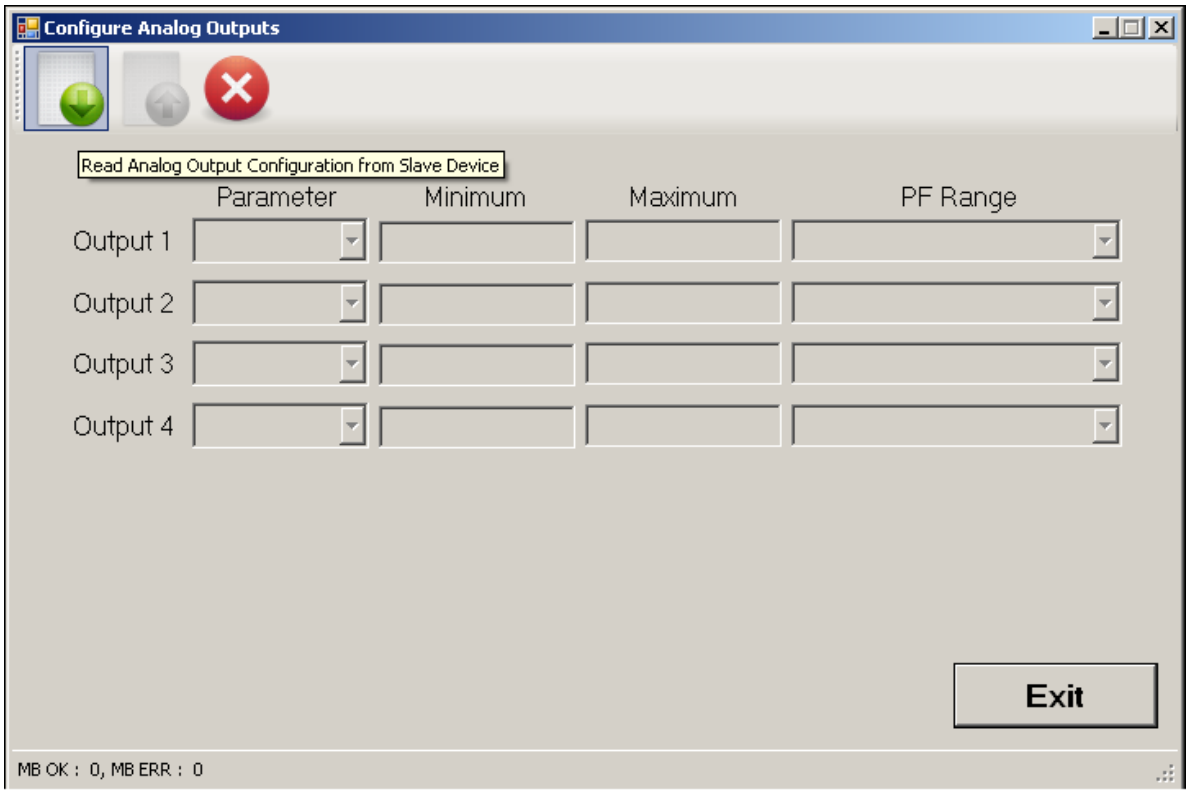
Step 11) If the settings are successfully uploaded, the below message will be displayed.



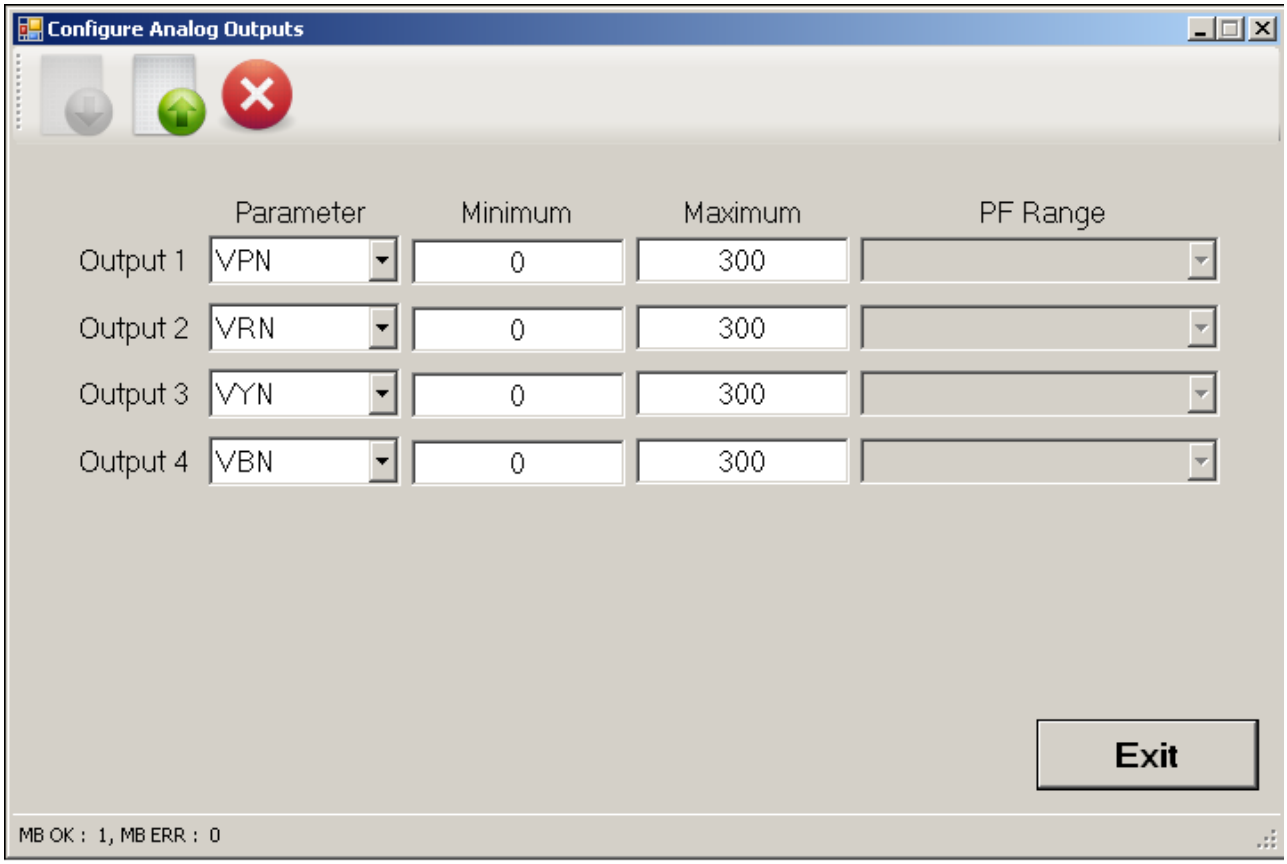
Step 12) To configure Analog Outputs, click on the tab as shown below.



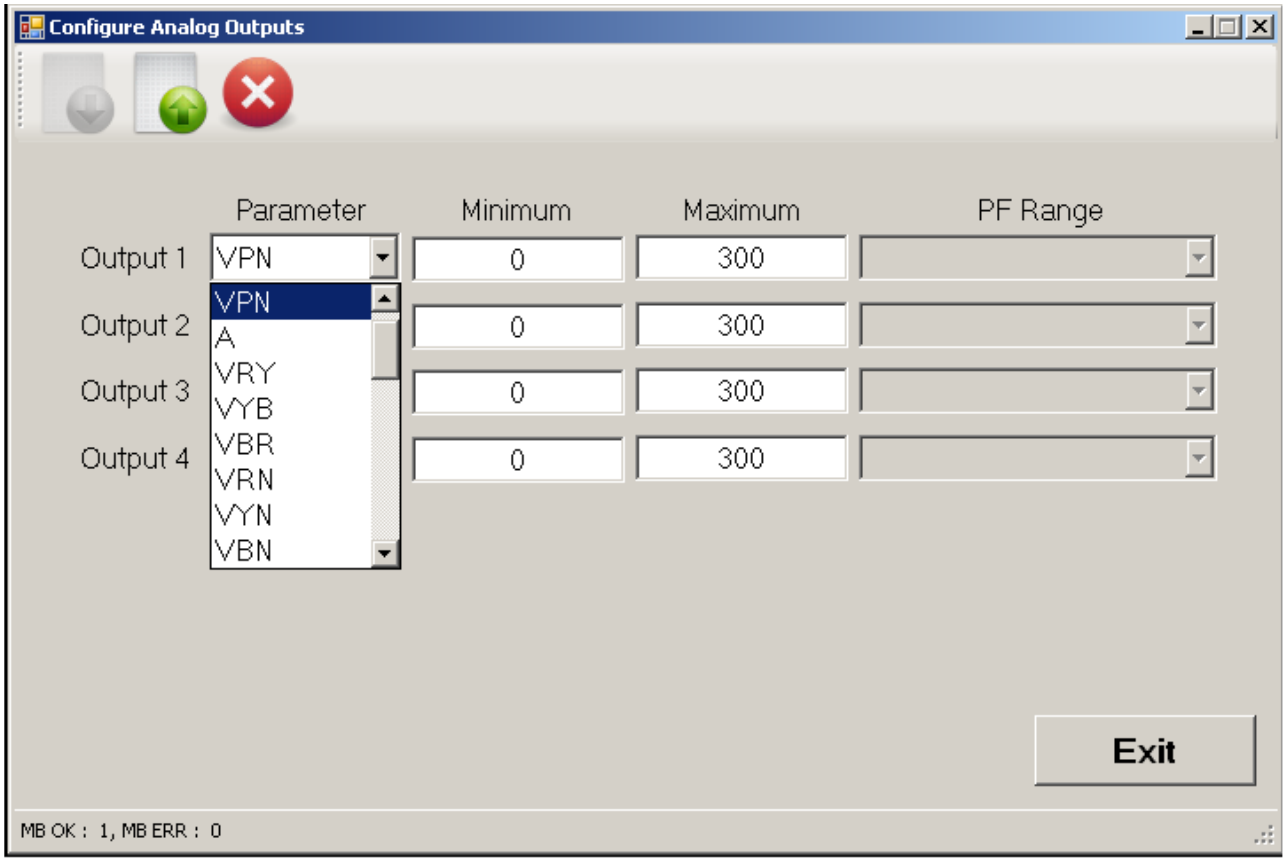
Step 13) It will show the following window. Click on Down Green icon to read current configuration.



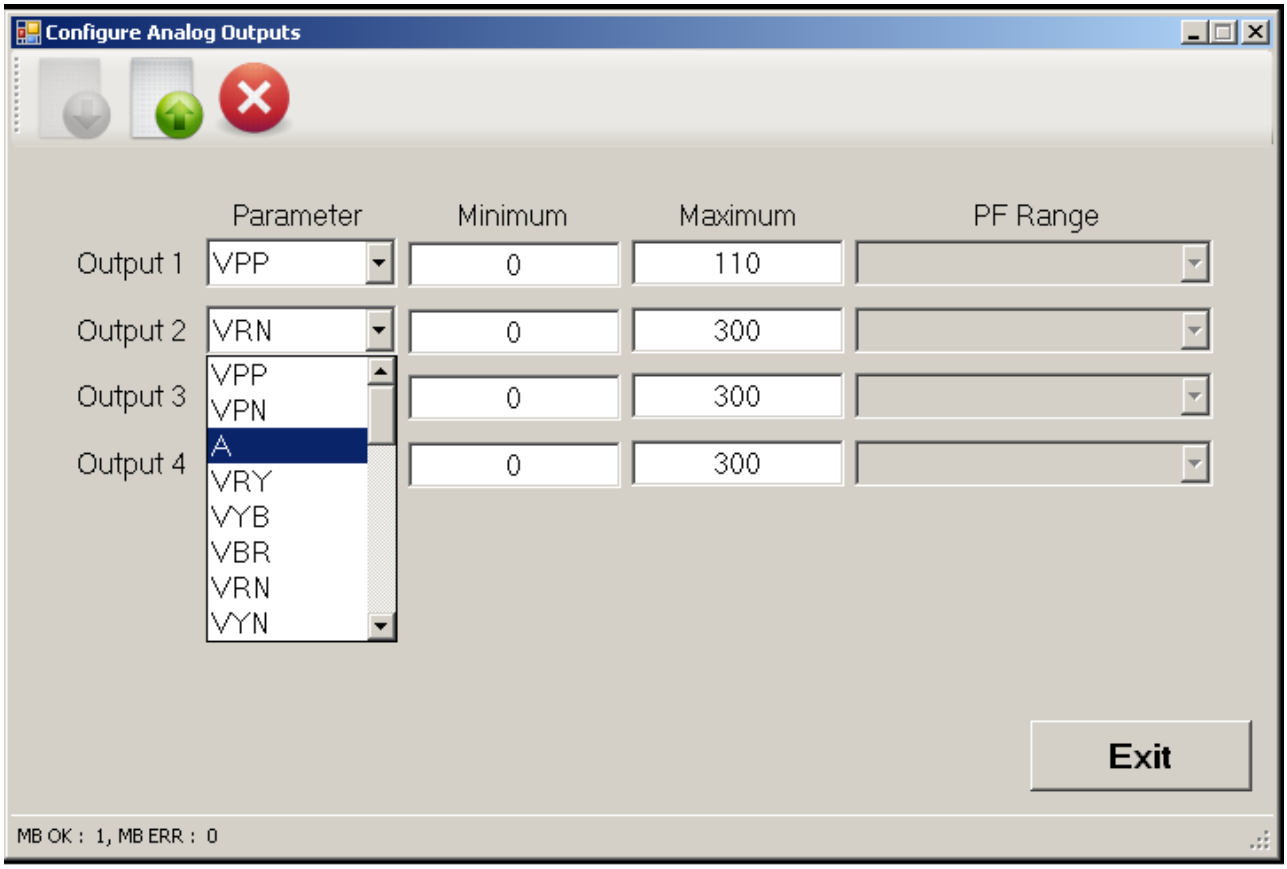
Step 14) The existing Output Configuration will be displayed in the Window.



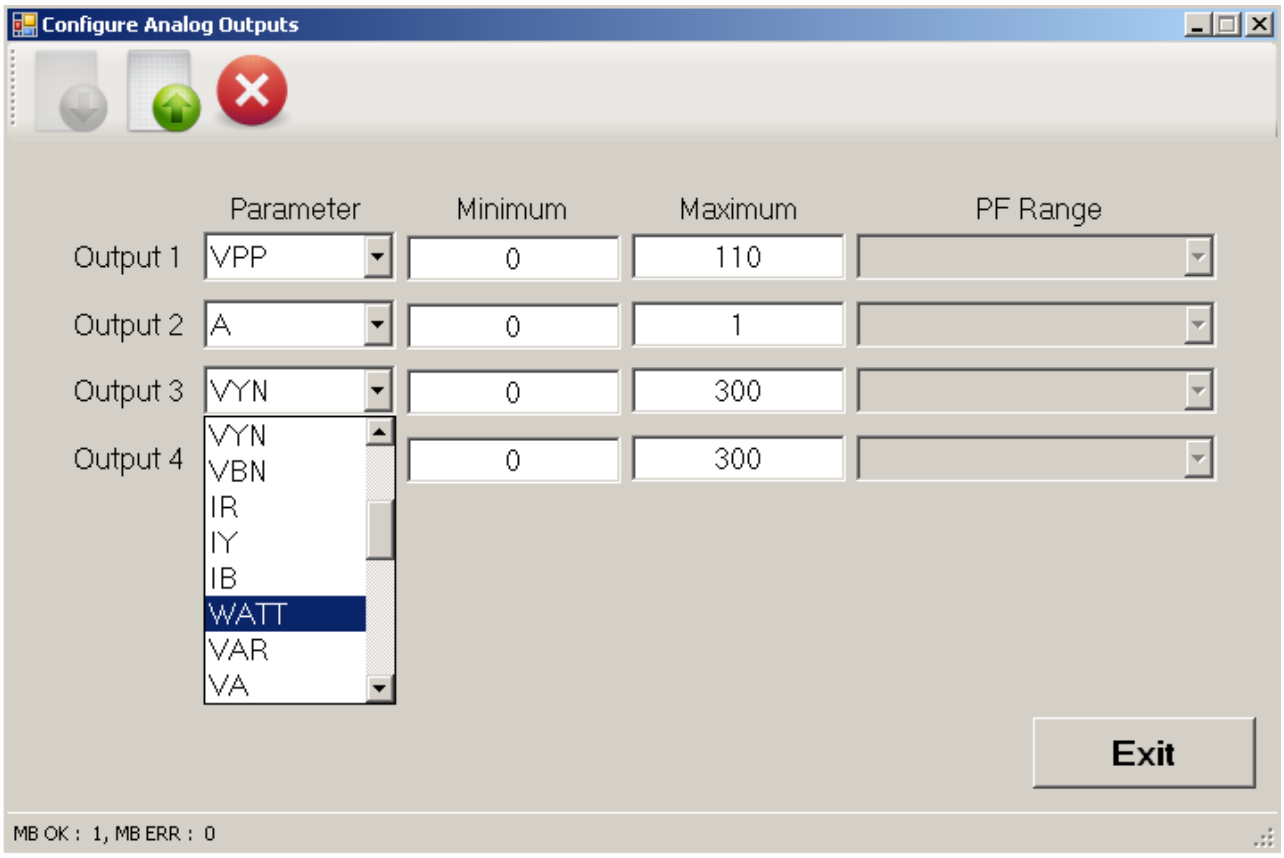
Step 15) You can select the Parameter per Output and define its minimum (4 mA) and maximum range (20 mA)



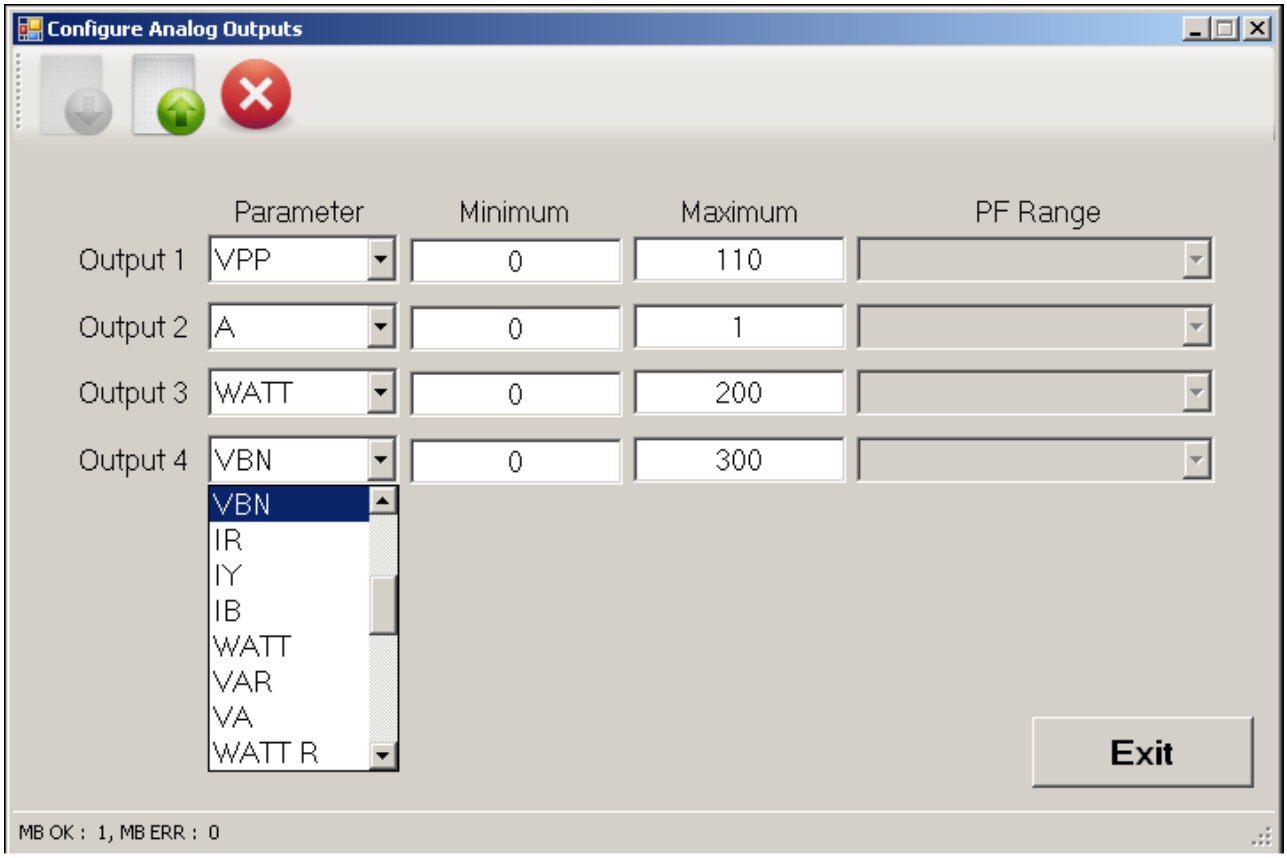
Step 16) Similar Steps needs to be followed for other outputs.



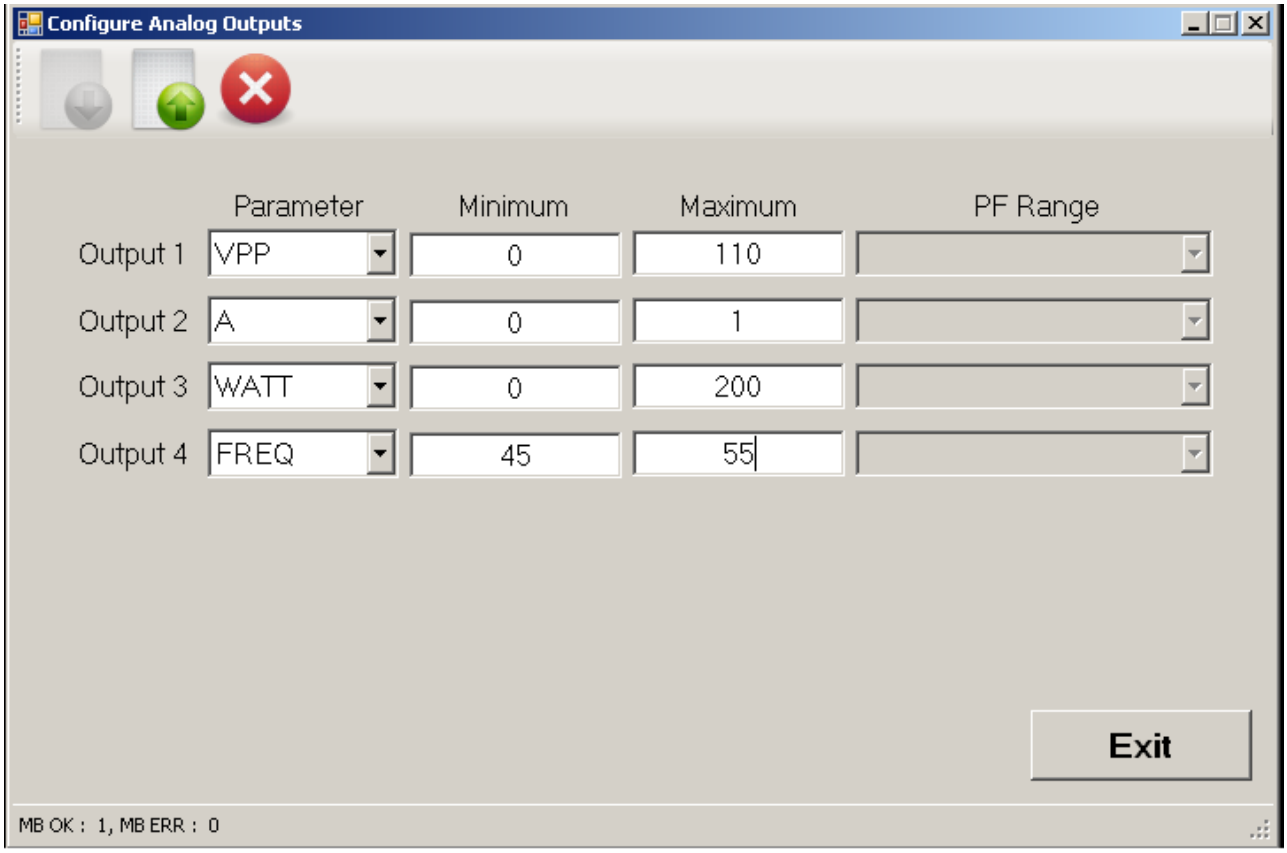
Step 17) Third Output



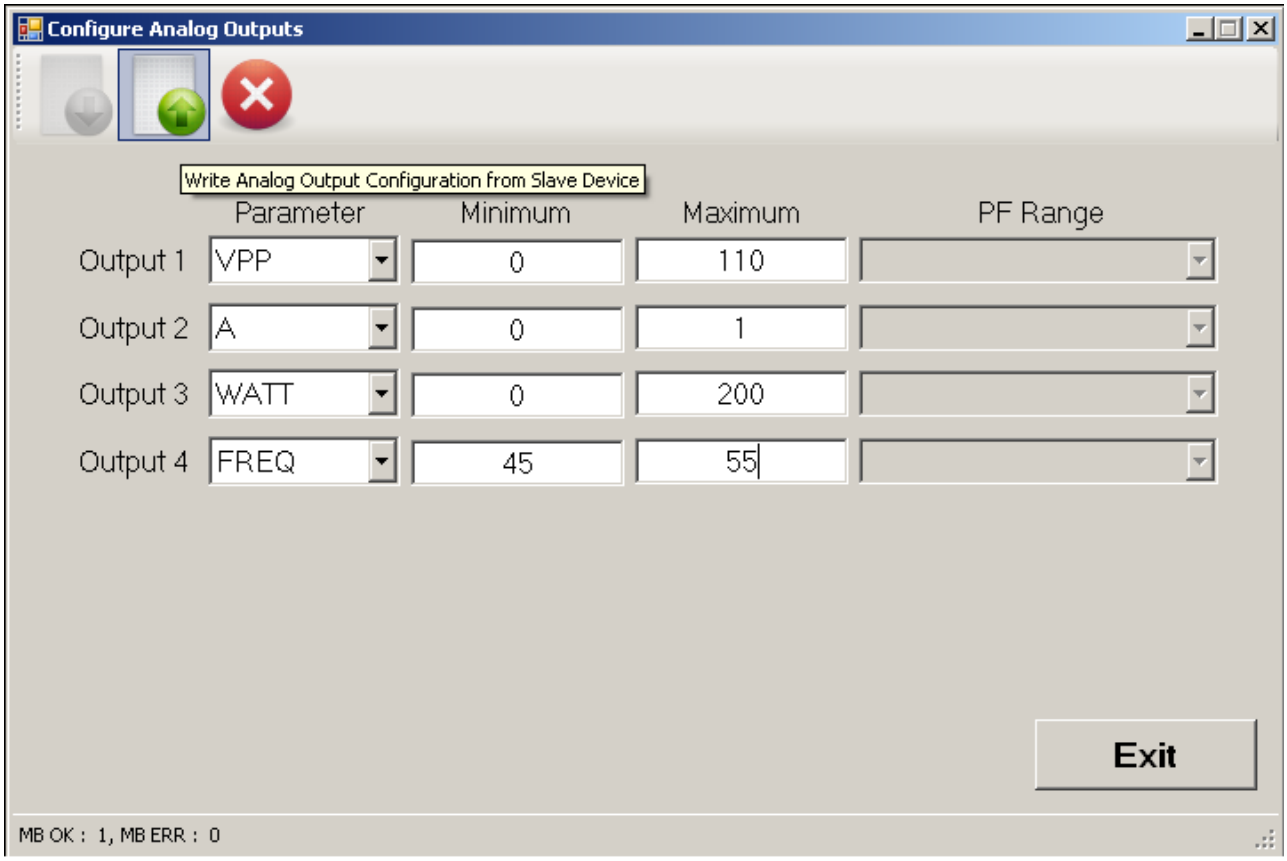
Step 18) Fourth Output



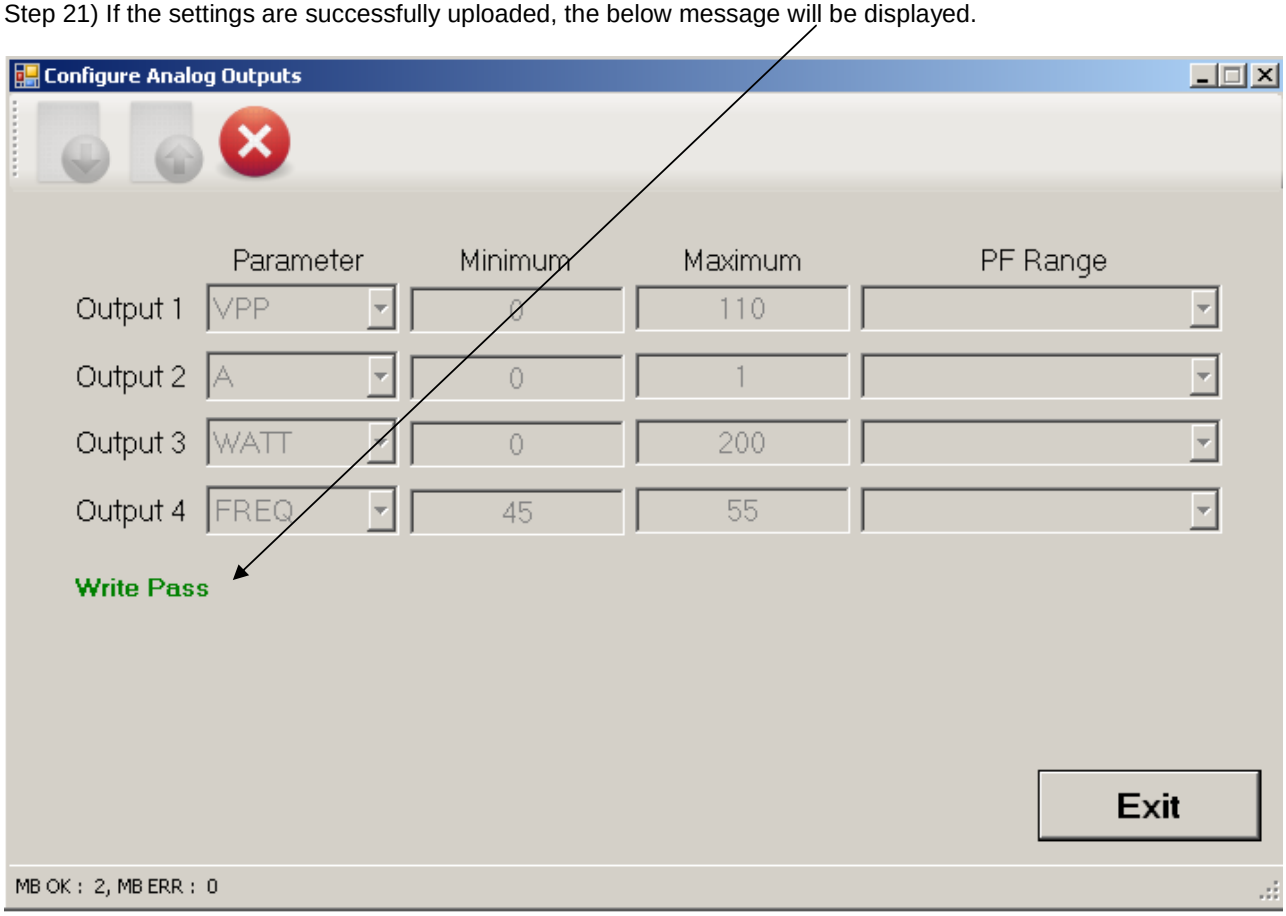
Step 19) Now all the outputs are redefined.



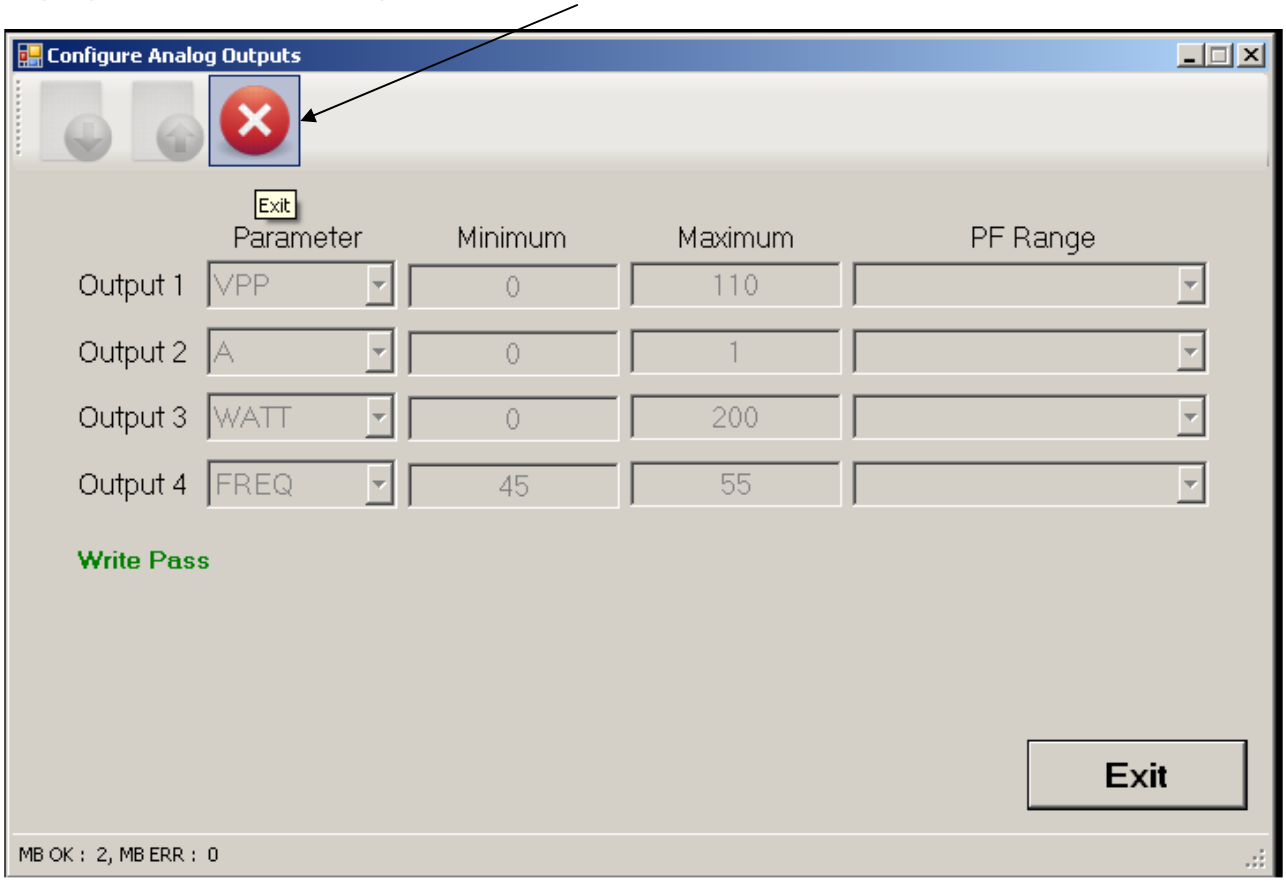
Step 20) Now we need to upload this new configuration to the Transducer. Click on the icon as shown below.



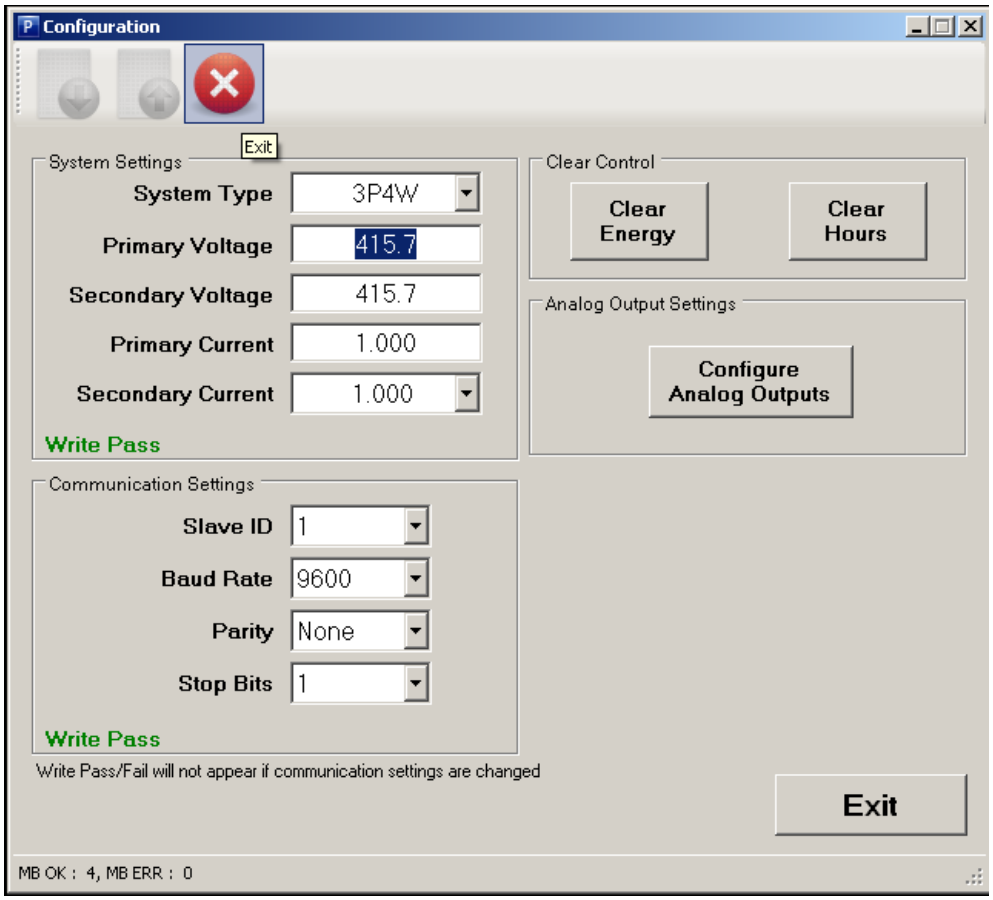
Step 21) If the settings are successfully uploaded, the below message will be displayed.



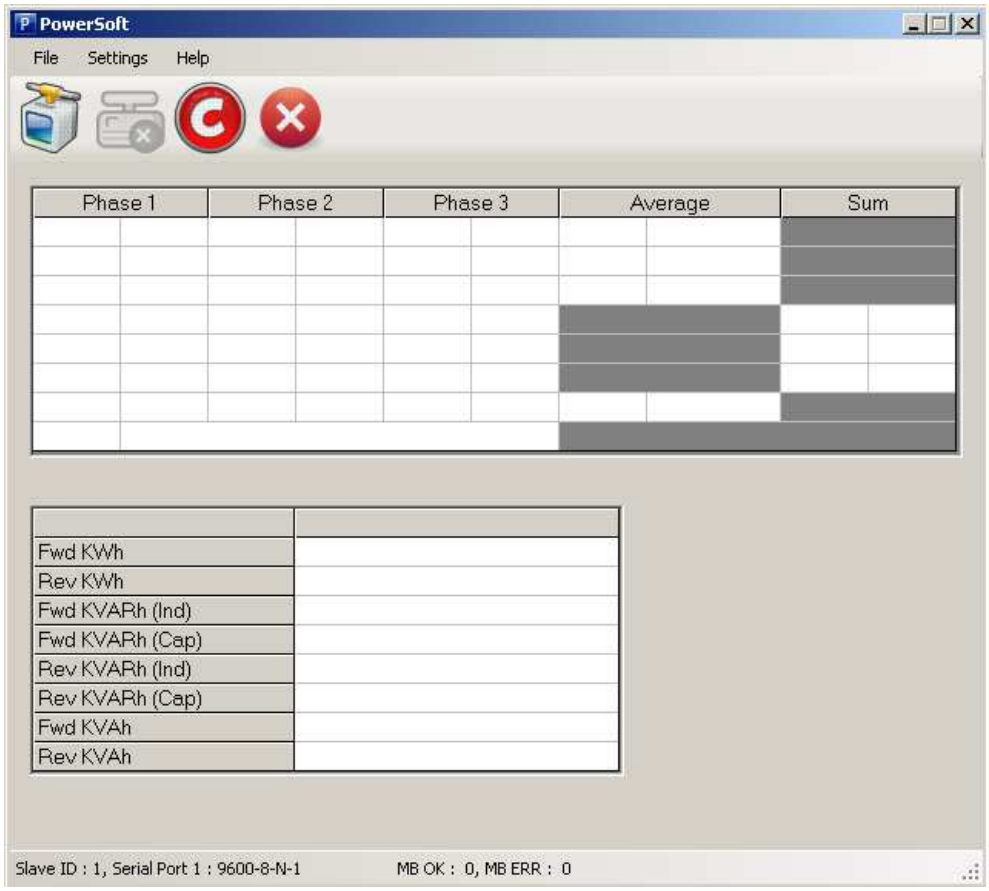
Step 22) Click on Exit to return to previous mode.



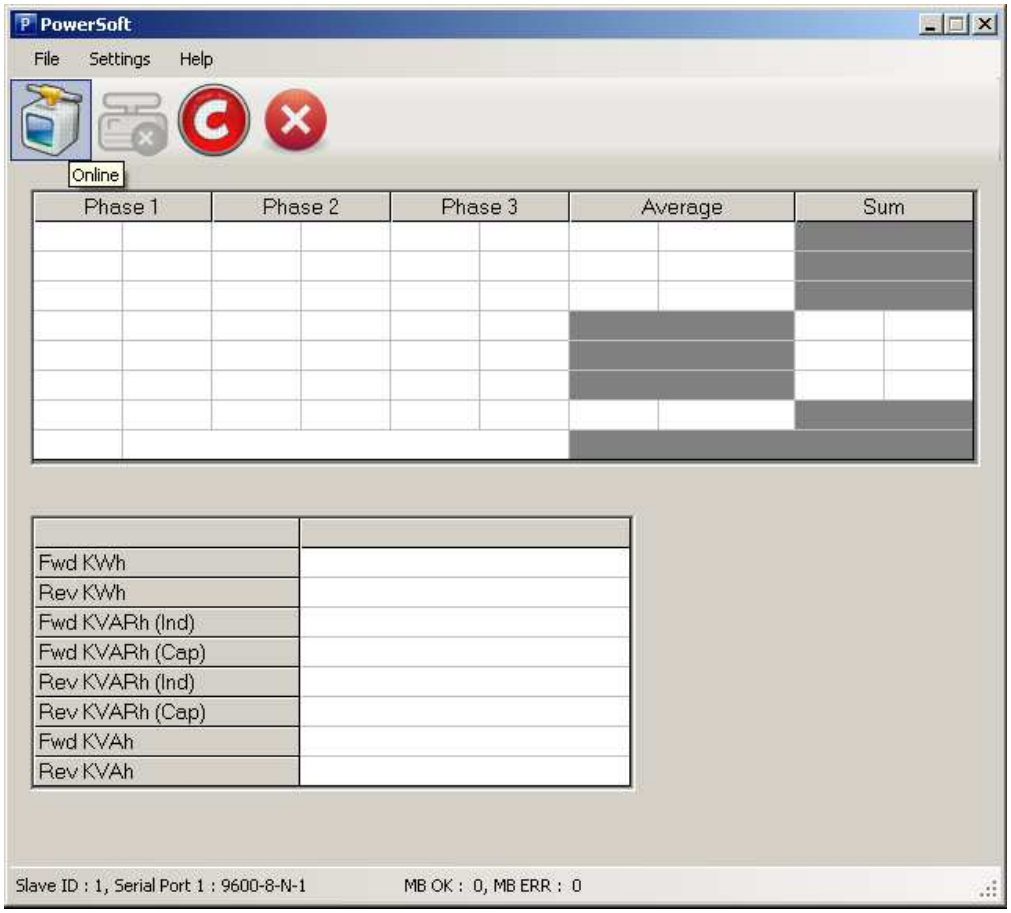
Step 23) Now Click on Exit to exit from Configuration.



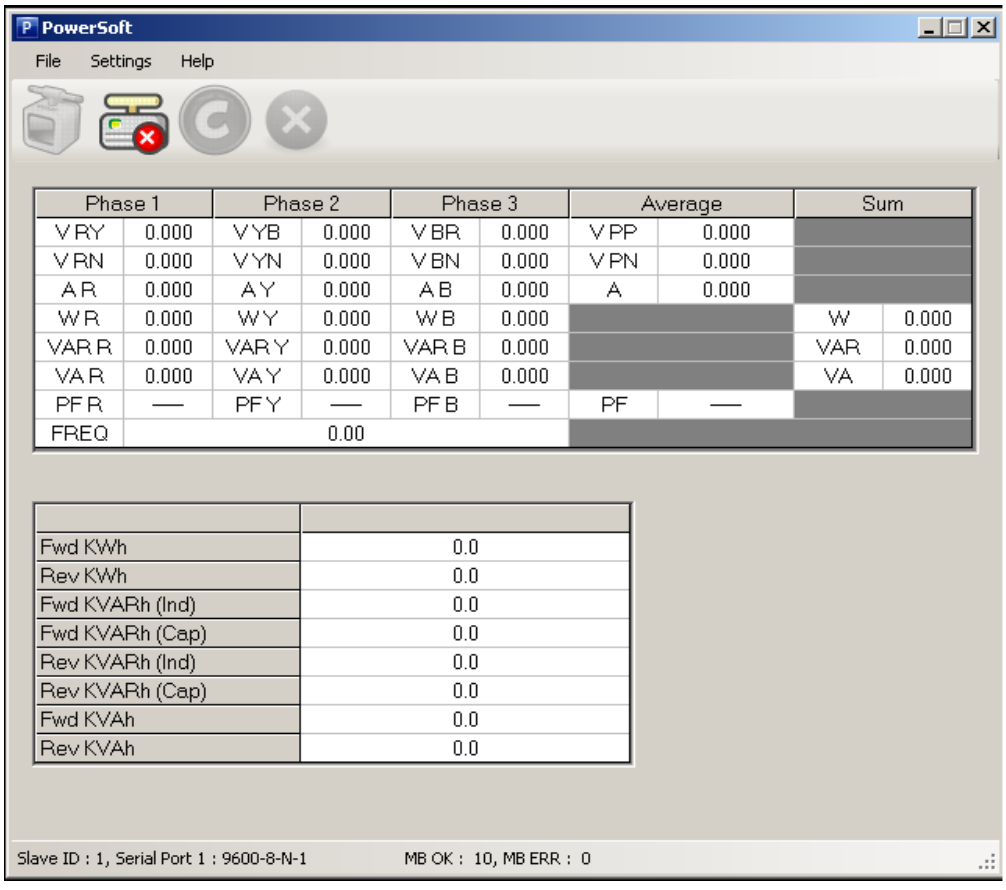
Step 24) You will return to Home Screen.



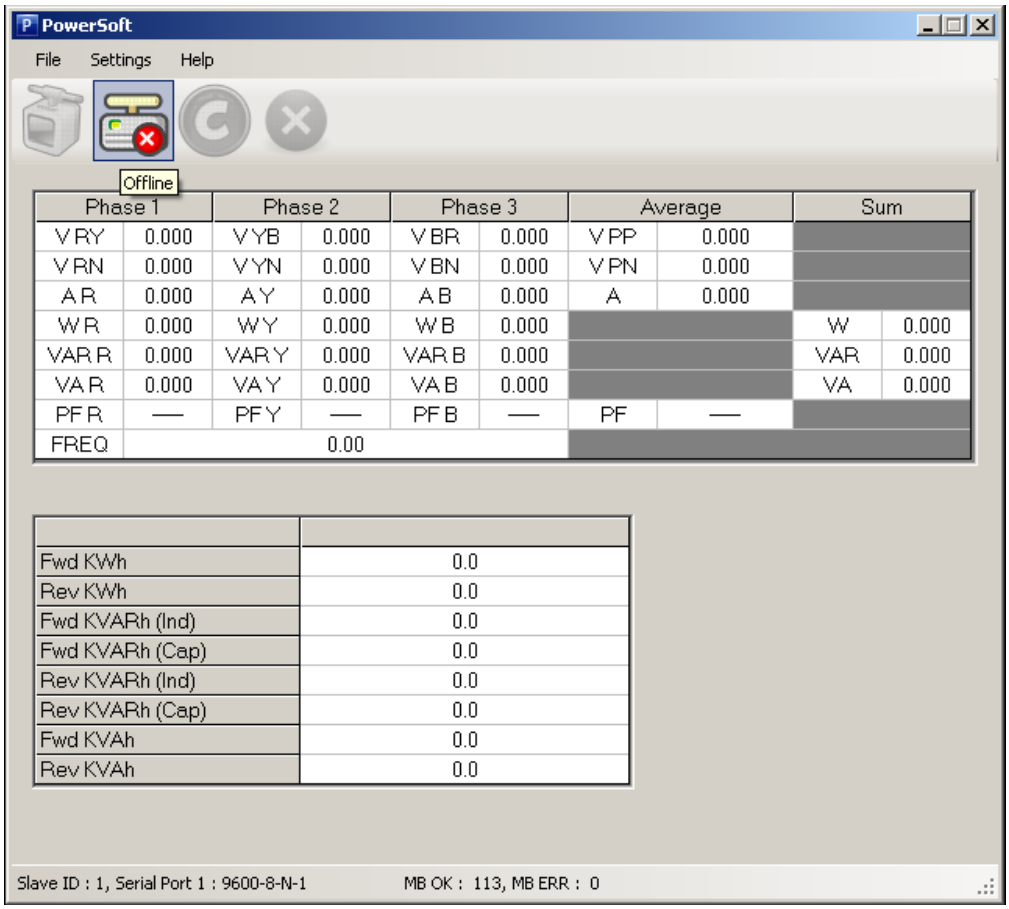
Step 25) If you wish to see real time data using this Software, click on Online icon as shown below.
This application can be used to see real time data of only one Transducer.



Step 26) The readings will be displayed in the below format.



Step 27) Click on Offline icon to exit from the real time data mode.



Step 28) Click on Exit to close the application.