HOW TO GET BACK THE POWER ANALYZER 2 CALIBRATION.

(or read the page 10-11)

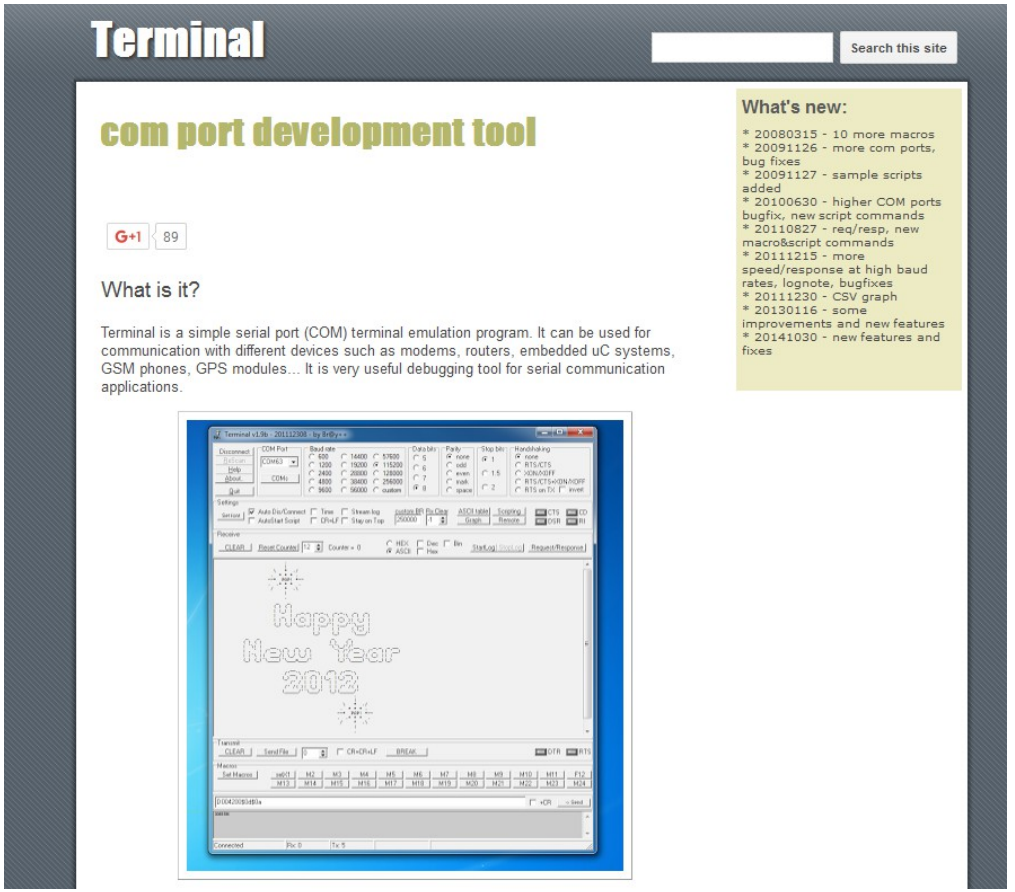
Power Analyzer 2 /Energy Meter 2

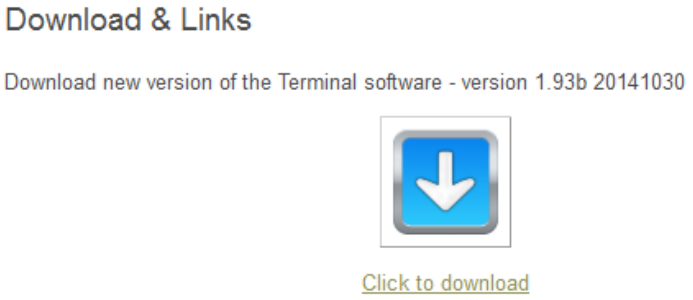
Equipments Required

- A PC with COM port using “Terminal by Br@y++” program (https://sites.google.com/site/terminalbpp/)
- Serial cable to connect to PC.
- Download the Supporting Documents for Power Analyzer2(https://drive.google.com/folderview?id=0BxdLxDCD6HiddTRhWGhxUGh6Sk0&usp=sharing)

- Note: You can skip STEP1-4 then go to STEP5-12 (For immediate calibration).

1.Download Terminal by Br@y++





(https://sites.google.com/site/terminalbpp/)

2.Construct this Serial cable to connect to PC.

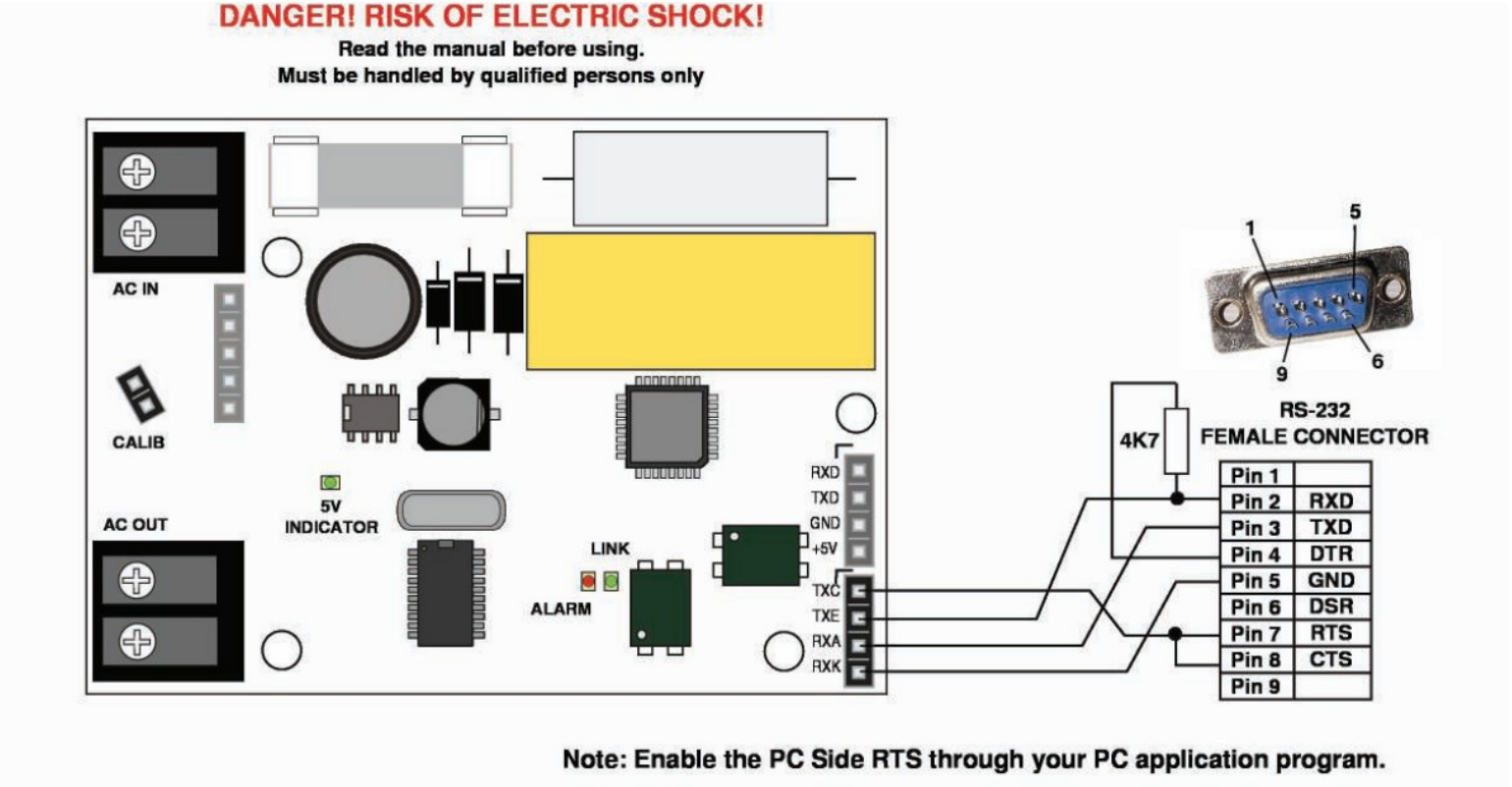


Figure 4. Interface wiring to a PC RS-232 COM port is surprisingly simple. Measurements can be displayed on a PC using terminal programs such as Terminal by Br@y++ (see section 5.2). If you can write your own PC app, then, you can customize your own display and functions. A sample program written in VB.net can be downloaded for free from the corresponding product page of this kit @ e-gizmo.com.

3. Set Communication

- In Terminal, Settings

  BAUDRATE: 9600

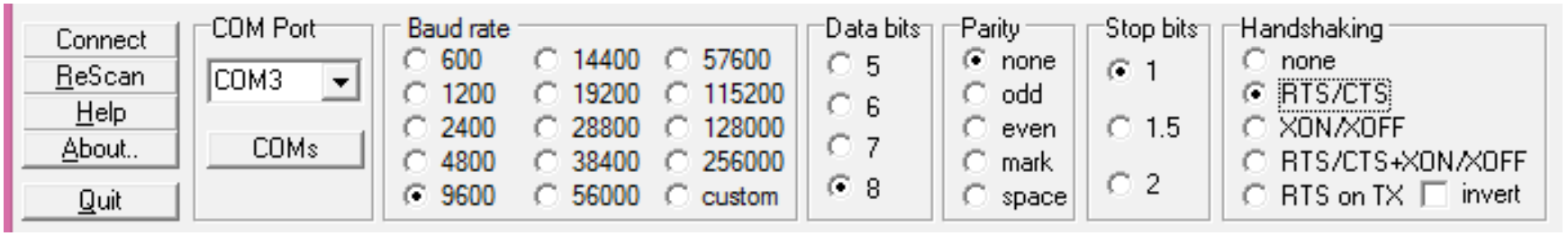
  DATA BITS – 8

  PARITY – NONE

  STOP BITS – 1

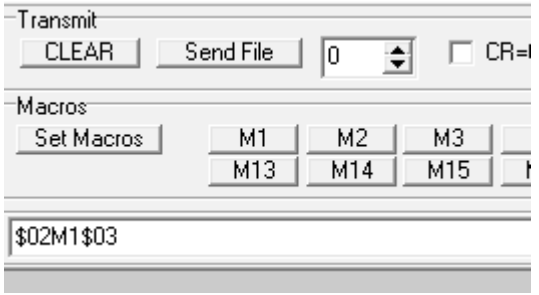
  HANDSHAKING – RTS/CTS

  Select the COM# then connect.



4. Power ON the Power Analyzer

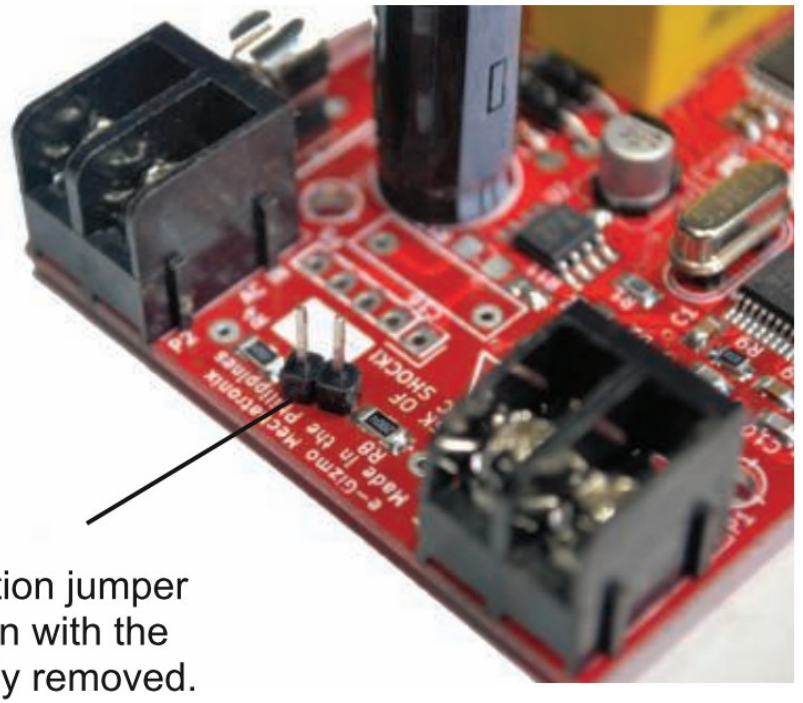
- The data should start streaming in.
- If no data is displayed, try typing: $02M1$03



- The Click SEND.

5. Power OFF the Power Analyzer

6. Remove the OFFSET CALIBRATION JUMPER and UNPLUG/DISCONNECT ANY LOAD in the P1 AC OUT side.

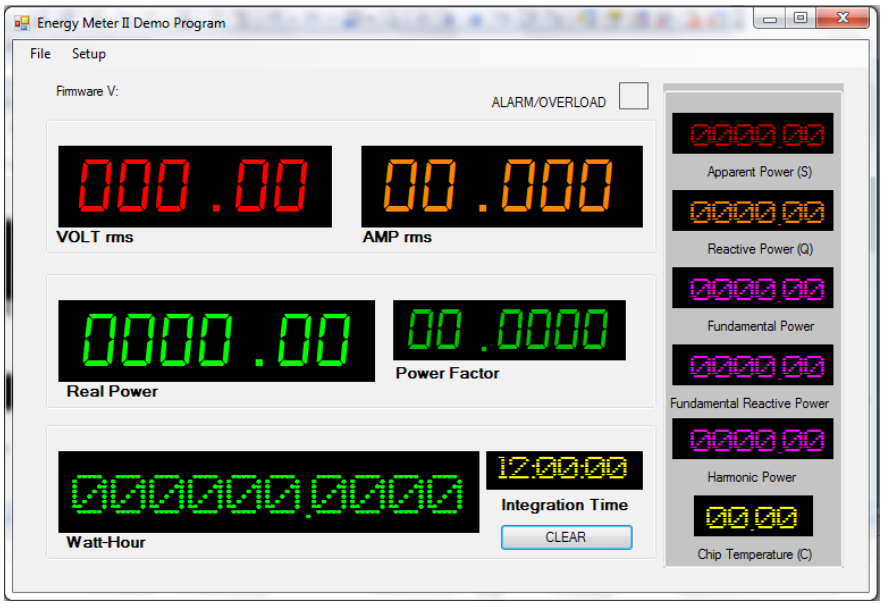


Offset calibration jumper location shown with the jumper already removed.

WITHOUT JUMPER!!!

7. Reapply AC POWER. Open/Run the Visual Basic Sample program.

8.Find the portion in the displayed measurements that indicates VOLT RMS. Make sure it displays a value of less than 5 VAC.



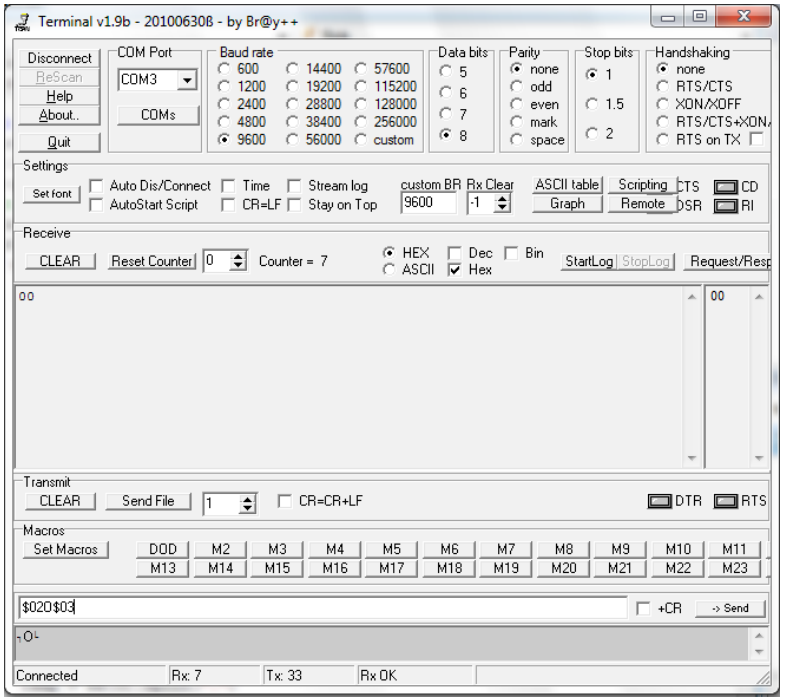
WITHOUT JUMPER!!!

9. Close/Stop the Visual Basic sample.

10. OPEN THE TERMINAL and CONNECT AGAIN.

11. Type $02**O**$03 at the terminal transmit window and then click SEND.

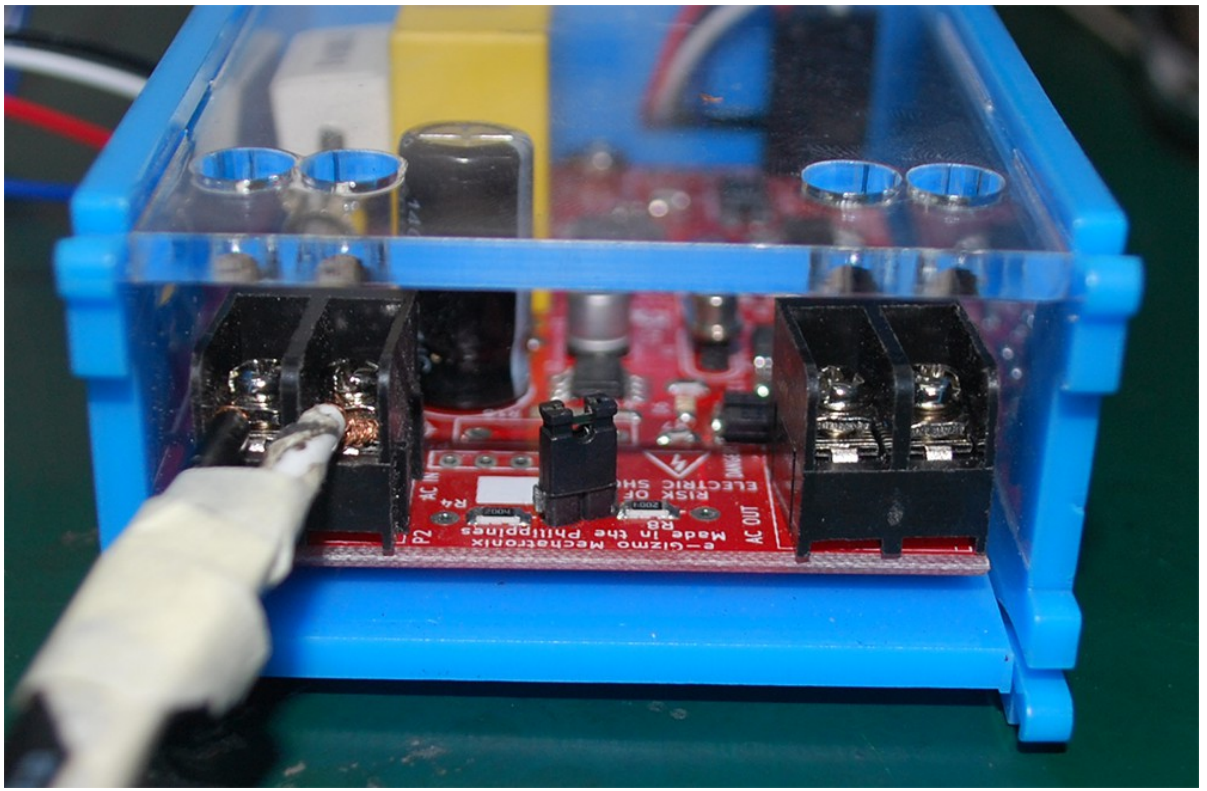
This will initiate the offset calibration procedure. Wait until the Power Analyzer completes the procedure. *This should take less than 30 seconds.*



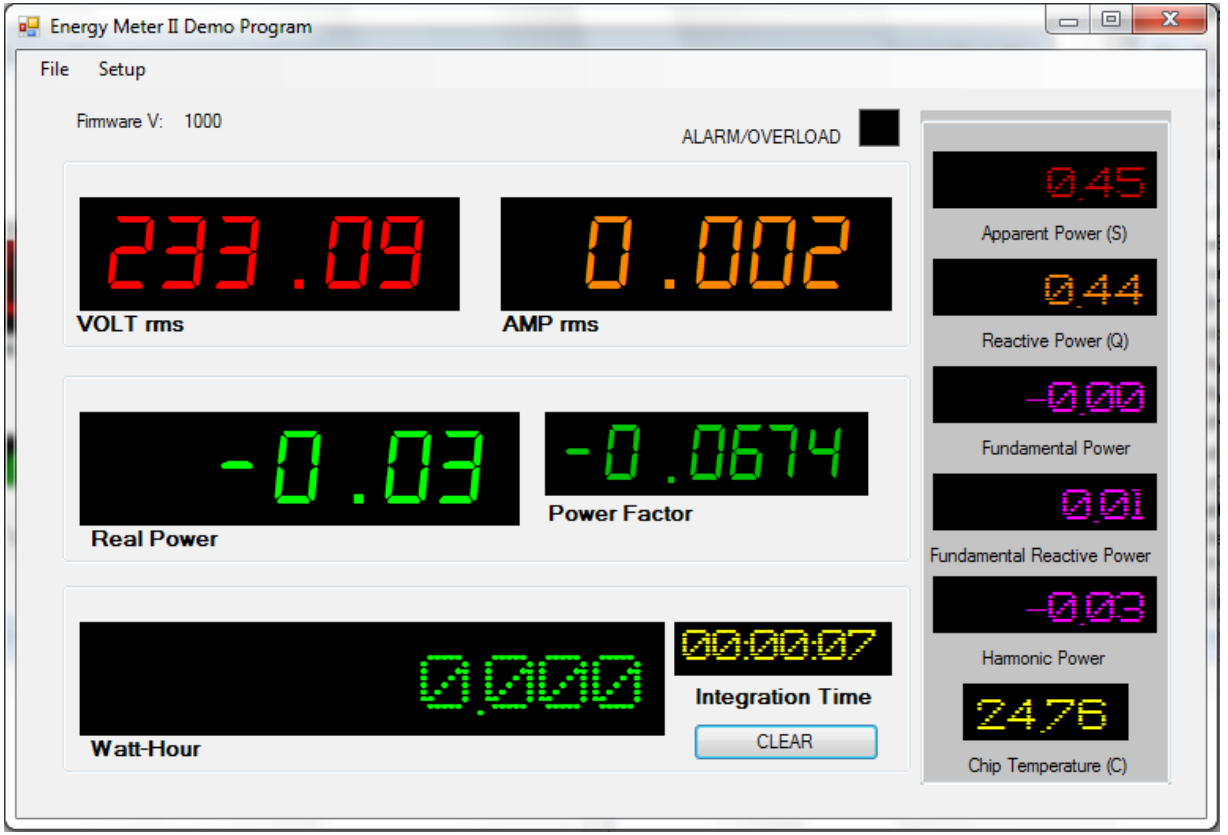
AFTER 30 SECONDS.

12. POWER OFF the Power Analyzer and

REINSTALL THE JUMPER REMOVED.



CHECK AGAIN THE VALUE SHOULD BE LIKE THIS.



Done :-)