

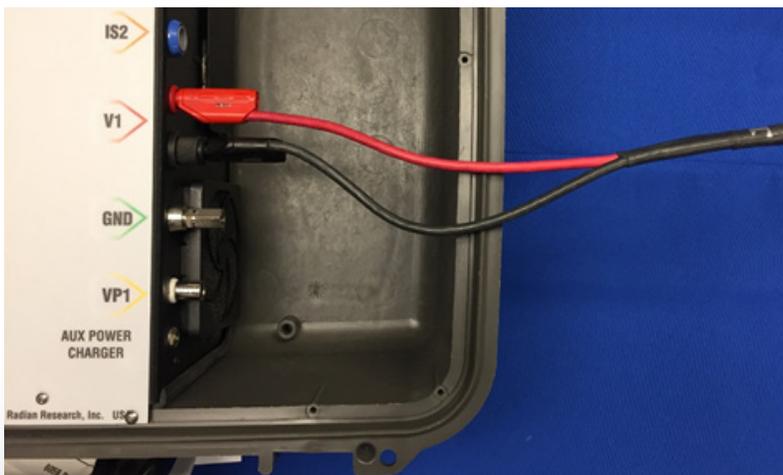
Application Note

Certification of a Tx Auditor with a 933

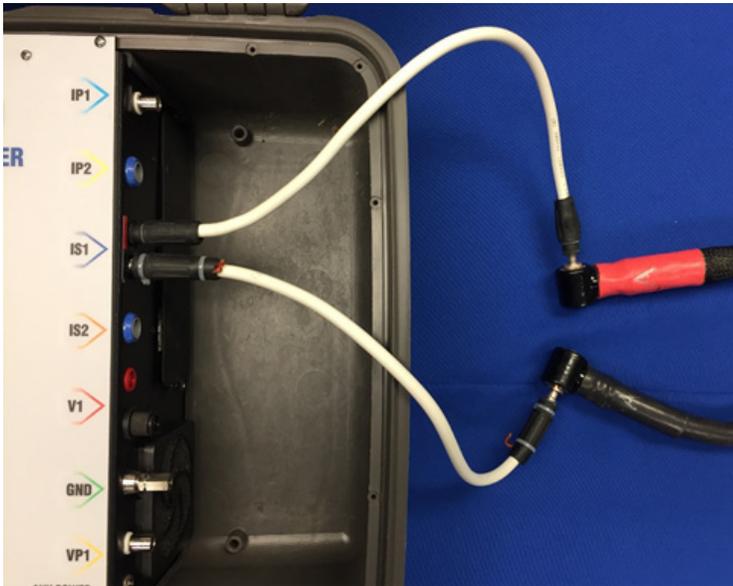
In order to certify a Tx Auditor using a 933 System, the connections must be made properly in order for the results to be correct. However, the certification is limited to Wh and the unit cannot be tested above 20A. I will go over how to properly connect the Tx Auditor to ensure safety and proper testing in the following document.

Connecting the Units

An overall image of the connections is shown below:



1. Connect the Phase A **Potential** on the Syntron to V1 on the Tx Auditor.



2. Connect the Phase A **Current** on the Syntron to IS1 on the Tx Auditor.



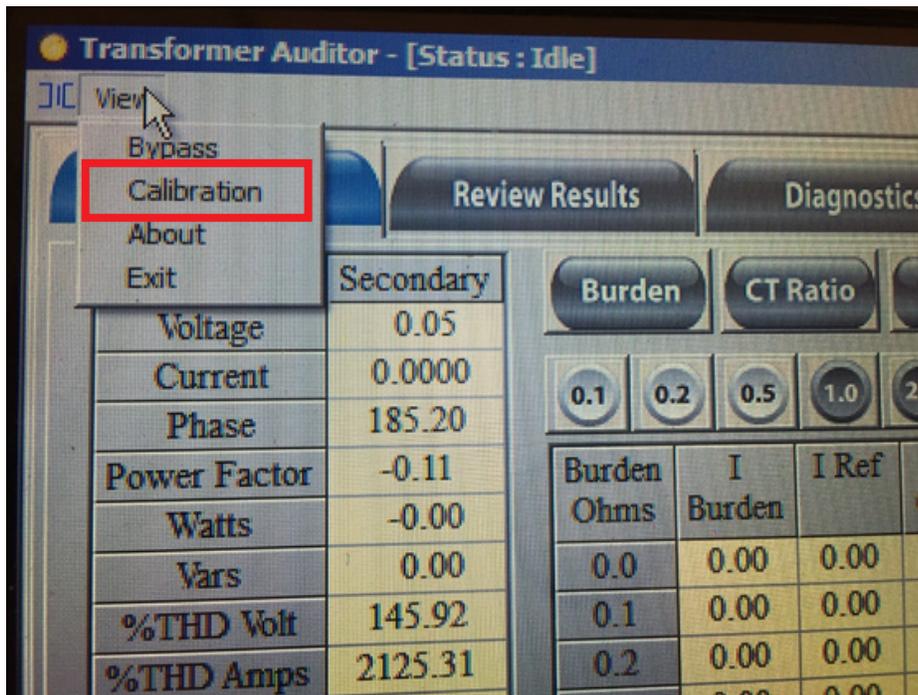
3. Ensure that Phase B & Phase C Currents are **shorted** on the Syntron.

4. Connect the optics to the Pulse (BNC) output as shown below:

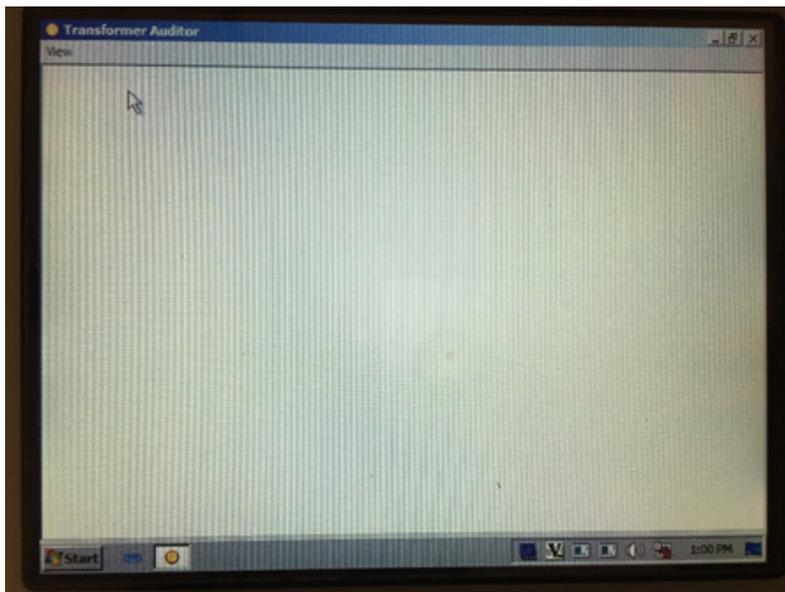


Running Standards Compare

1. On the Tx Auditor main screen, select “View”

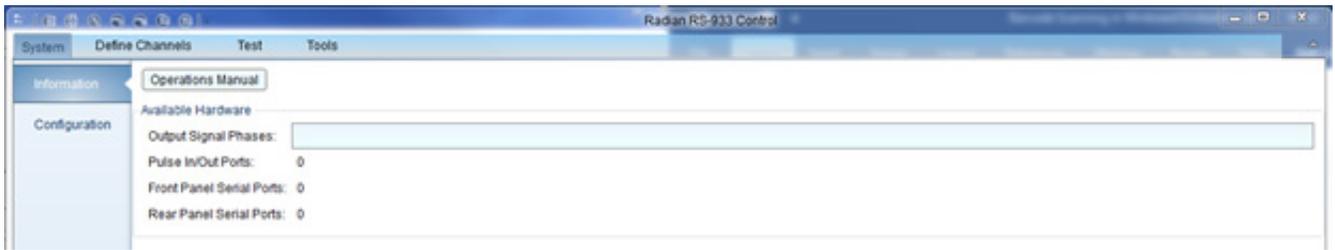


2. From the “View” drop down, select “Calibration.” This will begin outputting pulses from the Tx Auditor. You will then see a blank screen as shown below:

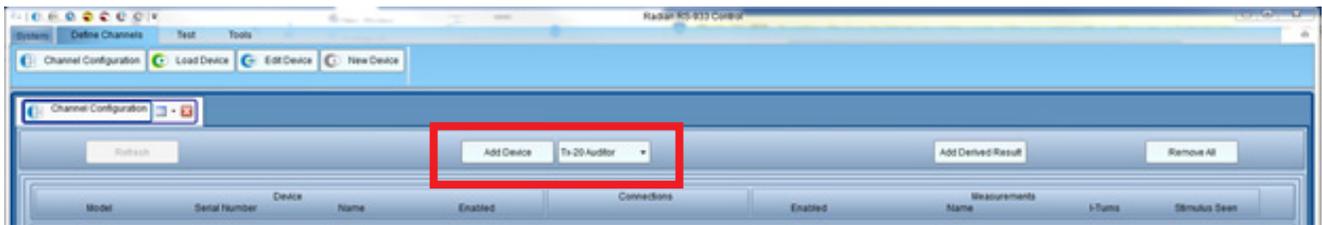


3. Keep this open for the **entirety** of the test.

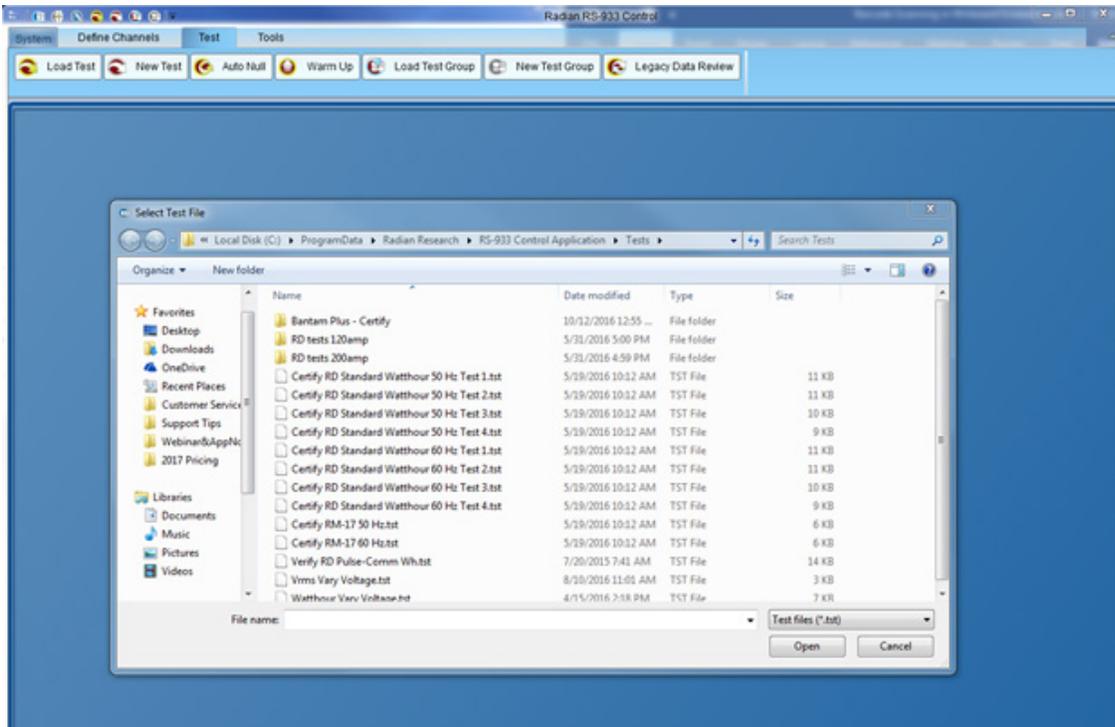
4. Open up the “RS-933 Control” software on your computer.
5. Select the “System” tab and ensure the “Configuration” settings are correct.



6. Select “Channel Configuration” button.
7. You will need to download the Tx Auditor device file from the link below and extract it:
www.radianresearch.com/upgrade/Tx-20_Auditor_Device_File.zip
8. Click “Load Device” and ensure that the device file you just downloaded is selected.
9. Once the device is loaded, select the device from the drop-down menu as shown and select “Add Device”



10. Ensure that the device has populated in the “Channel Configuration” screen and that the settings are correct.
11. Select the “Test” tab and “Load Test”



12. Ensure that the correct “.tst” file is selected and the testing screen populates accordingly. You may use any of the tests starting with “Certify RD Standard” as long as it does not exceed 20 Amps. Please see note below.

Note: Because the device file is limited to 20 Amps, the test will not run above 20 Amps. However, we still recommend that you use the “New Test” button to create a separate test for the Tx Auditor that has a maximum of 20 Amps.

13. Run Test

Limited resources or need a solution quickly?

If you need additional information about your project just contact us, we are here to help. We can support you at any level from telephone support, or on-site solutions for a reasonable price. Contact us at radian@radianresearch.com or call 765-449-5500. Be assured that we want to be your partner in success!