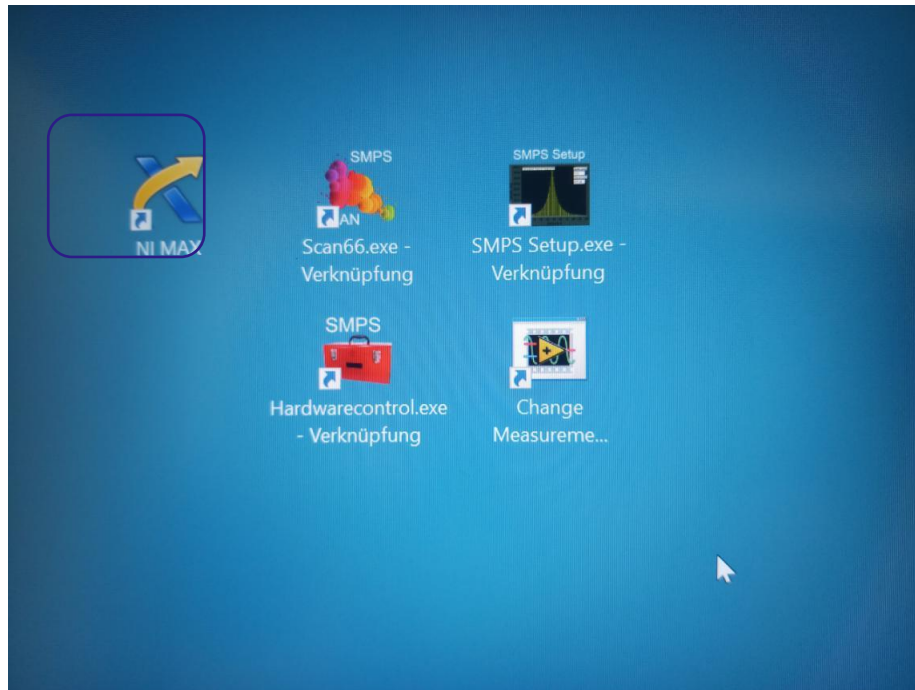
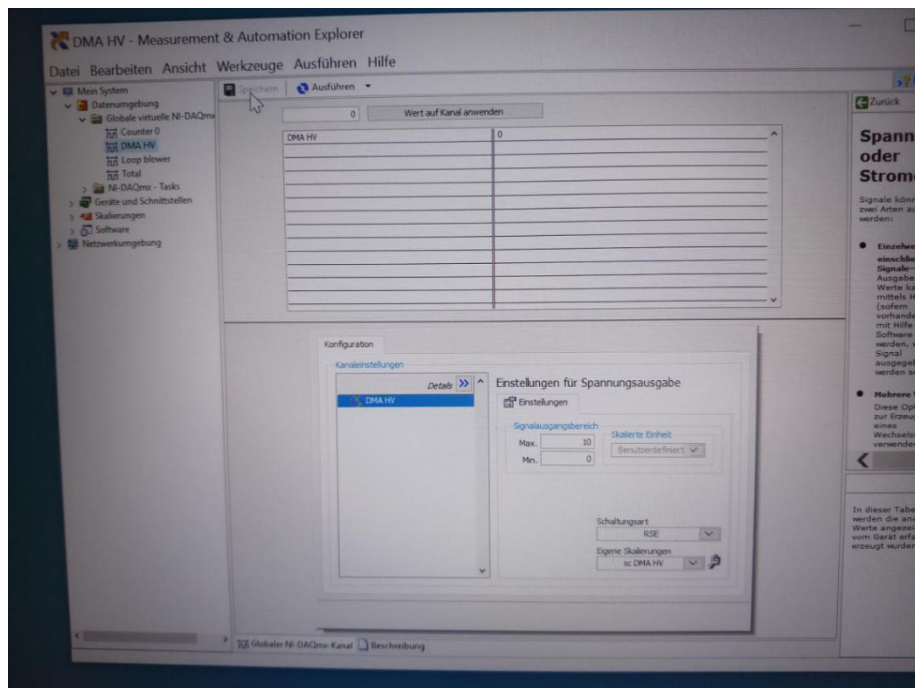


## Voltage calibration

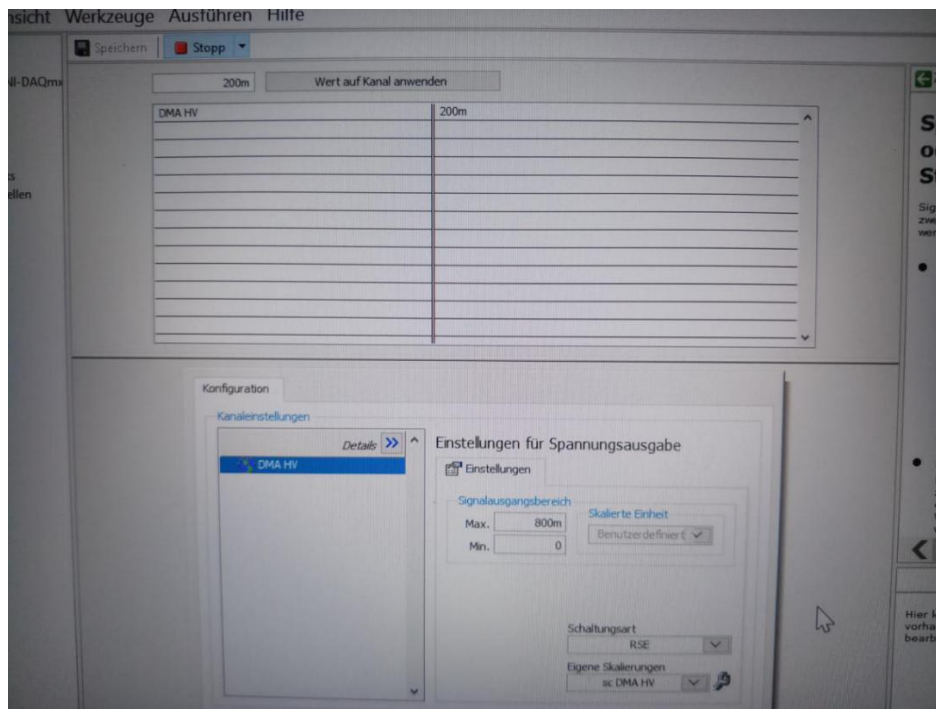
1. Switch off software scan66.exe
2. Open NI-MAX



3. Go to folder Datenumgebung
4. Then open globale virtuelle NI-DAQmax
5. Open file DMA-HV



6. Set maximum to 800mv (in place of 10)



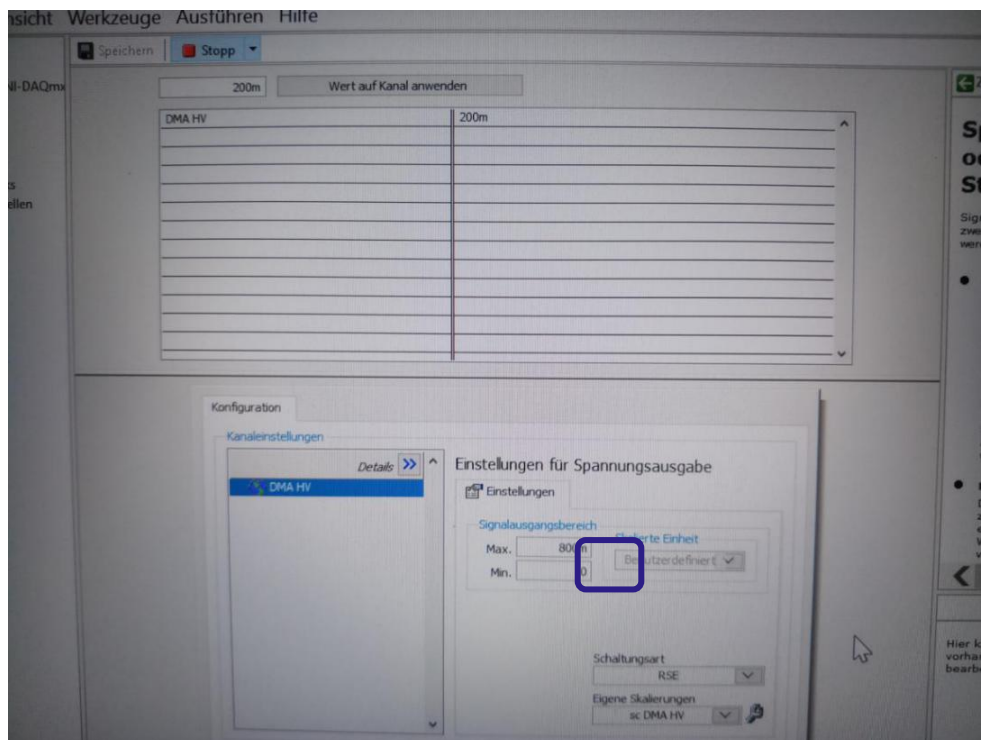
7. Put 0 volt in front of “wert auf kanal Anwenden” (apply) and press wert auf kanal Anwenden (apply) and Ausführen (start).

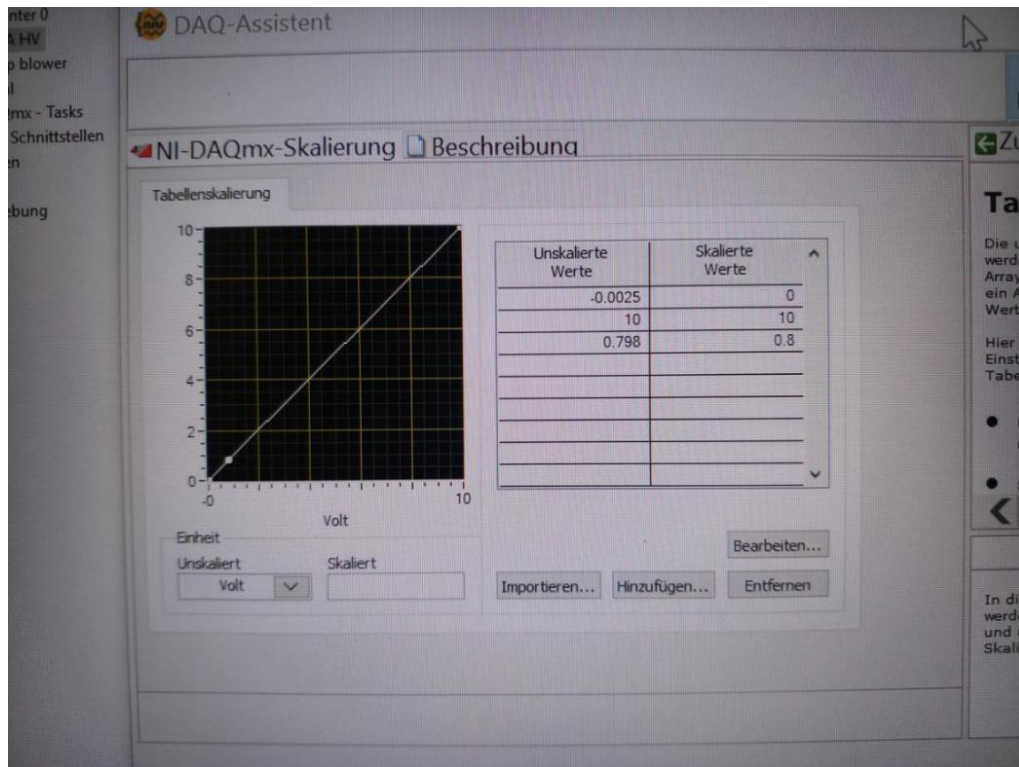
8. Press stopp.

9. Switch on the voltmeter by moving the knob clockwise and setting to V.



10. Press setup and change to DC.
11. Press range until it display 1000 v scale on screen.
12. Remove the voltage supply cable from DMA and connect with voltmeter
13. Press Ausführen (start)
14. See the reading on voltmeter (it should be ~0)
15. Note down the reading
16. Press stop
17. Change the 0 v to 4mv (this is calibration for small size) and press apply button
18. Press Ausführen (start)
19. See the reading in voltmeter and notedown (it should be ~5V)
20. If the reading on voltmeter is greater than 5V, then open the Eigene Skalierungen





21. If the reading is greater than 5V then the scale (-0.0025) against 0 needs to be decreased by increasing the last digit or vis-versa.
22. Press stop
23. Set the voltage to 800 mv repeat the procedure by pressing apply button and then Ausführen (start)
24. Notedown the reading (~1000 v)
25. If reading is not 1000 v on voltmeter then click on scale against 0.8 and increase or decrease the last digit of 0.798 value accordingly.
26. Press Stop
27. Set the voltage to 200mv and repeat the procedure and notedown the reading
28. Press apply and Ausführen (start).
29. If the reading on voltmeter is 250v then the scale is linear and correct.
30. Save the scale by pressing Speichern to save the file.