RoeTest – Computer Tube Tester / Tube Measuring System
(c) - Helmut Weigl   www.roehrentest.de

Options - Options:

"How should directly heated (DC) tubes be treated (kind of heuater: - ~direct)?"
Selects how direct heated tubes shall be treated (type of heating "~direkt"):
Recommendation as above selected for all RoeTests
For details see Theizung_EN.pdf (Tips for heater voltage internal/external)

"Preset PCB hardware versions:" (Hardware version selection)
Here the used hardware version of the 5 plug-in boards A, H, G1, G2, G3 and mainboard is entered. It is essential to select the correct version number of the PCBs.

"automatic range switching: (switching at voltage…):" (Range switching)
Please read the explanation in the software.   Only vor hardware < V5.

"misc:" (Miscellaneous)

"smoothing curves if nominal maximal current is lower than .. mA."
When recording characteristic curves with very low currents there may be slight
bounces in the curves due to the limited resolution of the RoeTest (hardware < V5). This can
be
corrected by software. Here you can enter the lower threshold where an automatic
smoothing of the characteristic curve is performed (the expected nominal current
from the static tube data values). If smoothing is not wanted enter 0 here.

Recommendation:
  Firmware with Pic up to 4.0: 1,9 (10 bit resolution)
  Firmware with Pic since 5.2: 0,0 (12 bit resolution)

Round measurement results (mA) Ia + Ig2:

Smaller currents are output to 3 decimal places. Here you can set the currents from which
rounding to 2 or 1 decimal place should take place. If you don't want rounding at all, set a
high value (e.g. 999).

Transconductance

The measurement **results** can be shown in mA/V or µMhos (1000 µHMhos = 1 mA/V).
In database there is allways ma/V.

"File name for saving measured data"
Automatic suggestion of a file name for storing the measured data. The file name
always starts with the tube description (type). The further parameters are optional.
Available are the ID# of the tube (see identity number), the % value of the first system, date,
time, and a free text field (for example "Telefunken").

"show picutures of tubes, sockets and bases:"
If marked, then pictures will be shown in the measuring software (in an own window).
Socket and holder pictures are included in the software. Tube pictures have to be
supplied and stored by yourself. The storage location for the pictures is a sub directory
of the measuring software ..\Röhrenbilder\...jpg.
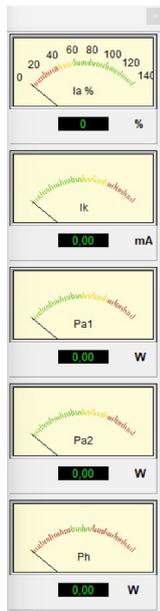
Quick test with transconductance

The slope measurement could be switched off in the quick test, then it would go a little faster.

Options 2 – Part 2

Start external programs with button:

This allows you to start another application from the RoeTest software (with a button in tab C).

Special tubes:

After loading the tube data, you will jump directly to the corresponding window.

Remarks.pdf:

If a PDF file with the file name "remarks.pdf" is stored in the tube data, then when loading the tube data, the PDF file is loaded with the PDF reader installed in the system (if it supports this). The screen position and window size can be specified. This is useful if a detailed test instruction, possibly with images, is required for the tube, which does not fit in the comments of the data set.

Setup window size:

Manually change the window size. This may be useful for very small screens (reduce) or very large screens with high resolution (enlarge). The change takes effect after restarting the RoeTest software and remains permanently saved in the file 'ManualMainWindowHeight.txt'.