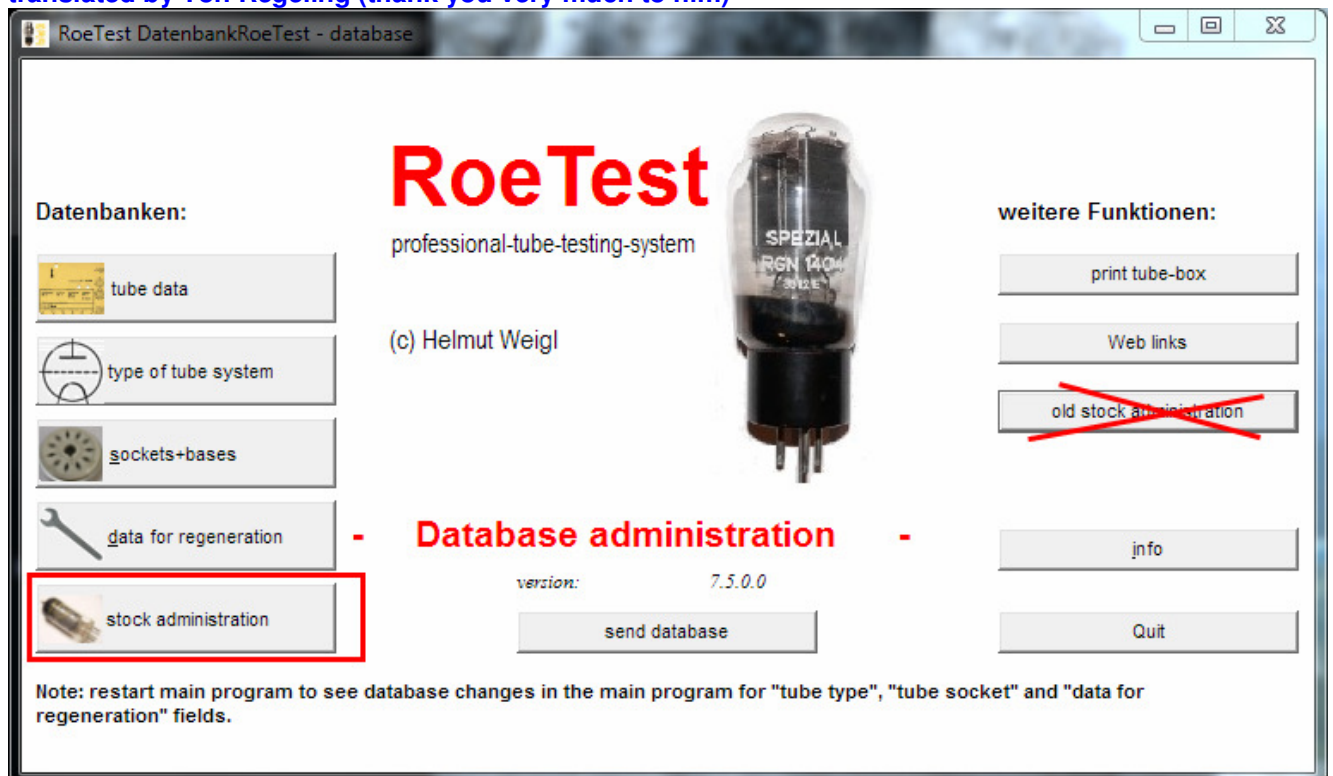


**Inventory management – tubestock.dbf - Softwareversion 7.5.0.0 and up**  
translated by Ton Regeling (thank you very much to him)



The new database replaces the current database. The old database remains available for compatibility reasons but it won't be maintained or enhanced anymore.

**Purpose:**

The database helps you to manage your tube inventory or stock. This is another useful addition to the tube test and measurement system functionality.

**Data storage:**

Data is saved in the „tubestock.dbf“ file. This dbase formatted file can also be read by other programs such as Excel enabling you to manage your tube inventory in another application as well. However please don't save your data from another application to the file to avoid compatibility issues.

## Principle:

For each tube data is saved separately. This enables sorting by various data elements such as manufacturer, % values and so on.

Changing software version 8.0.0.0:

Changing a small detail with much benefits: Adding a field "quantity". You can use several strategies:

1. for each tube a separate dataset (with saving measurement datas - also automatical from batch processing)
2. for each tube type a separate dataset with quantity (no measurement data)
3. mixing 1+2 (best tubes as 1, bulk tubes as 2)

Summary calculates correct quantity, independent from above strategy.

An ID number is automatically assigned to each tube. The first tube gets number 0 and next tube gets number 1 and so on. The ID number therefore indicates exactly where the data is saved. I have chosen this mechanism because you can get to the data with just the number, without having to search. The database is integrated with the measurement software which has various advantages.

## The database layout:

The screenshot shows a software window titled "RoeTest - Bestandsverwaltung - tube stock" displaying a database table named "tubestock.dbf". The table has the following columns: index, ID, designation, manufacturer, condition, 1, system 1 %, 2, system 2 %, 3, system 3 %, 4, system 4 %, storage lo, categ, mark, picture, data. The table contains 23 rows of data. At the top of the window, there is a search bar labeled "Inquiry (search/sort)" and a dropdown menu for "saved inquiries" with the value "tubestock\_all\_until\_ID\_10000.dba". To the right of the search bar, there are two buttons: "summary" (highlighted with a red box and labeled '1') and "mark all" (highlighted with a red box and labeled '2'). At the bottom of the window, there is a status bar with "dataset: 0" and "802 from 868". To the right of the status bar, there are several buttons: "print paper roll" (highlighted with a red box and labeled '3'), "print", "new dataset", "delete", "edit", and "ok".

index	ID	designation	manufacturer	condition	1	system 1 %	2	system 2 %	3	system 3 %	4	system 4 %	storage lo	categ	mark	picture	data
0	290	12AL5		D	103	D	103	0	0						ja	nein	ja
1	291	12AL5		D	100	D	102	0	0						ja	nein	ja
2	688	12C8		D	590	D	493	P	106	0					ja	nein	ja
3	249	12SG7		P	97		0		0	0					ja	nein	ja
4	242	12SK7		P	104		0		0	0					ja	nein	ja
5	243	12SK7		P	103		0		0	0					ja	nein	ja
6	241	12SR7		D	166	D	156	T	123	0					ja	nein	ja
7	343	2E24	Val	P	100		0		0	0					ja	nein	ja
8	391	4DT6		P	190		0		0	0					ja	nein	ja
9	852	5591		P	140		0		0	0					ja	nein	ja
10	848	5654		P	81		0		0	0					ja	nein	ja
11	849	5654		P	126		0		0	0					ja	nein	ja
12	490	5687		T	117	T	117		0	0					ja	nein	ja
13	491	5687		T	119	T	113		0	0					ja	nein	ja
14	492	5687		T	93	T	100		0	0					ja	nein	ja
15	561	5963		T	94	T	89		0	0					ja	nein	ja
16	198	5U4GA	CSF	nos	D	179	D	178		0	0				ja	ja	ja
17	326	6AS6		P	69		0		0	0					ja	nein	ja
18	207	6AS7G		T	117	T	135		0	0					ja	nein	ja
19	850	6CS6		H	85		0		0	0					ja	nein	ja
20	582	6DG6GT		P	82		0		0	0					ja	nein	ja
21	581	6DG6GT		P	116		0		0	0					ja	nein	ja
22	583	6DG6GT		P	111		0		0	0					ja	nein	ja

This database is used in exactly the same way as my other databases. You can search and sort the same way, please check the other databases out.

All essential tube data is shown in the view as shown above. The dataset is kept as small as possible so that you still get good performance if you have a large database with data for many tubes. Additional tube data can be saved as appendices in separate files.

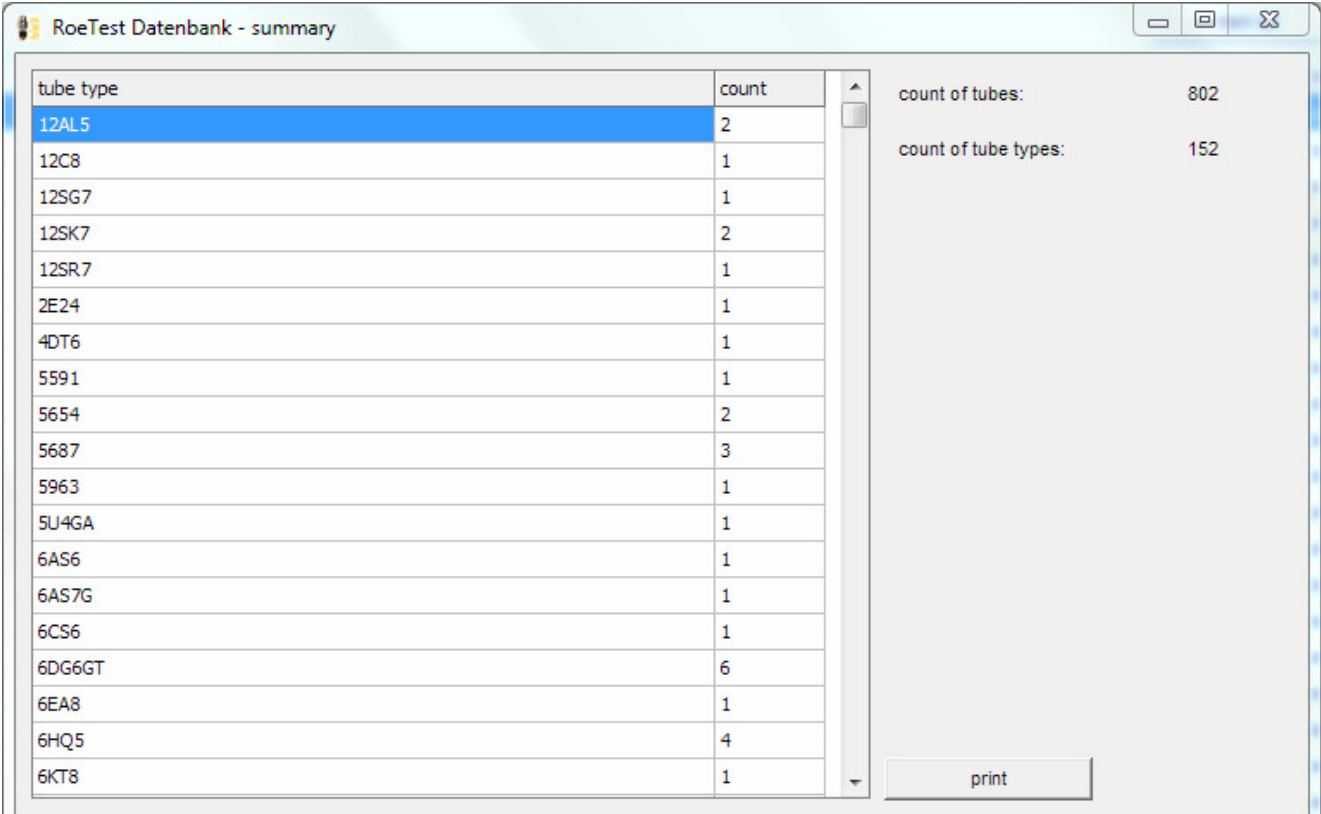
**Column „mark“ (marked):** You can mark rows for individual tubes in the entry screen. You can also mark or unmark all rows using buttons **2**. You can also mark tubes that are added to the database using the batch processing feature in the measurement software. This feature enables you to easily select all marked rows.

**Column „picture“ (image):** if there is an image available for the tube then a „ja“ appears in this column.

**Column „data“ :** a „ja“ indicates that additional measurement data is available for the tube.

### Button summary **1**:

Use this button to get a compressed listed of all selected tubes as indicated by the marked rows. The list is sorted by tube type and the number of tubes by tube type as well as the total number of tube types and tubes is shown. You can print this list.



The screenshot shows a software window titled "RoeTest Datenbank - summary". It contains a table with two columns: "tube type" and "count". The table lists various tube types and their corresponding counts. To the right of the table, there are two summary statistics: "count of tubes: 802" and "count of tube types: 152". A "print" button is located at the bottom right of the window.

tube type	count
12AL5	2
12C8	1
12SG7	1
12SK7	2
12SR7	1
2E24	1
4DT6	1
5591	1
5654	2
5687	3
5963	1
5U4GA	1
6AS6	1
6AS7G	1
6CS6	1
6DG6GT	6
6EA8	1
6HQ5	4
6KT8	1

count of tubes: 802  
count of tube types: 152

print

**Button „print paper roll“ (label print) 3:**

Use this to print paper rolls for packing tubes (see separate document).

## Detail view:

You can use the detail view to look at all the individual data elements for a specific tube..

### Description of the fields:

#ID	The ID number is automatically assigned starting at 0.
Tube designation	The tube name as printed on the tube
quantity	Quantity tubes of this type (1 if for each tube a extra dataset)
date	The date that the measurement data for the tube was obtained or the date that you received the tube
manufacturer	Acronym indicating the manufacturer. If you double click on the field it will bring up the manufacturer list. Abkürzung für Hersteller. You can also enter the acronym directly. The full name of the manufacturer is shown to the right of the entry field when a manufacturer is entered or selected.
System 1-4 Type	You can enter up to 4 tube functions such as diode, triode etc. for the tube. Use letters to indicate the tube function. The tube function description is shown to the right of the letter.
System 1-4 %	You can enter the % value measured for up to 4 tube functions. To be able to compare tubes of the same type you have to use the same measurement parameters for testing the tube.
Condition	You can use up to three letters to indicate the condition of the tube e.g. ,n' for new or ,u' for used etc. You can assign letters as you wish and you can edit the description that shows in the entry field to the right of the assigned letter.
category	A 1 character indicator to indicate the tube category that you can assign freely e.g. you can use ,c' to indicate it's a tube from your tube collection or use an ,r' to indicate a reference tube or use an ,s' to indicate the tube is for sale.
prices	You can enter the tube value or sale price here.
Storage location	Storage location (up to 10 characters).

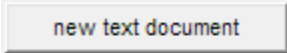
You can also enter file names of appendices containing additional tube information such as tube curves, photos, PDF documents etc. for this particular tube.

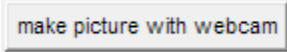
You can enter the files either by using the  button or you can simply drag and drop from Windows Explorer.

Which files have been associated with the tube is shown in the „dateianlagen“ entry field. The exact file locations are stored under ... RoeTestVerzeichnis\tubestock\_docs\ID\ ...

You can open that specific file folder or directory by clicking the  button.

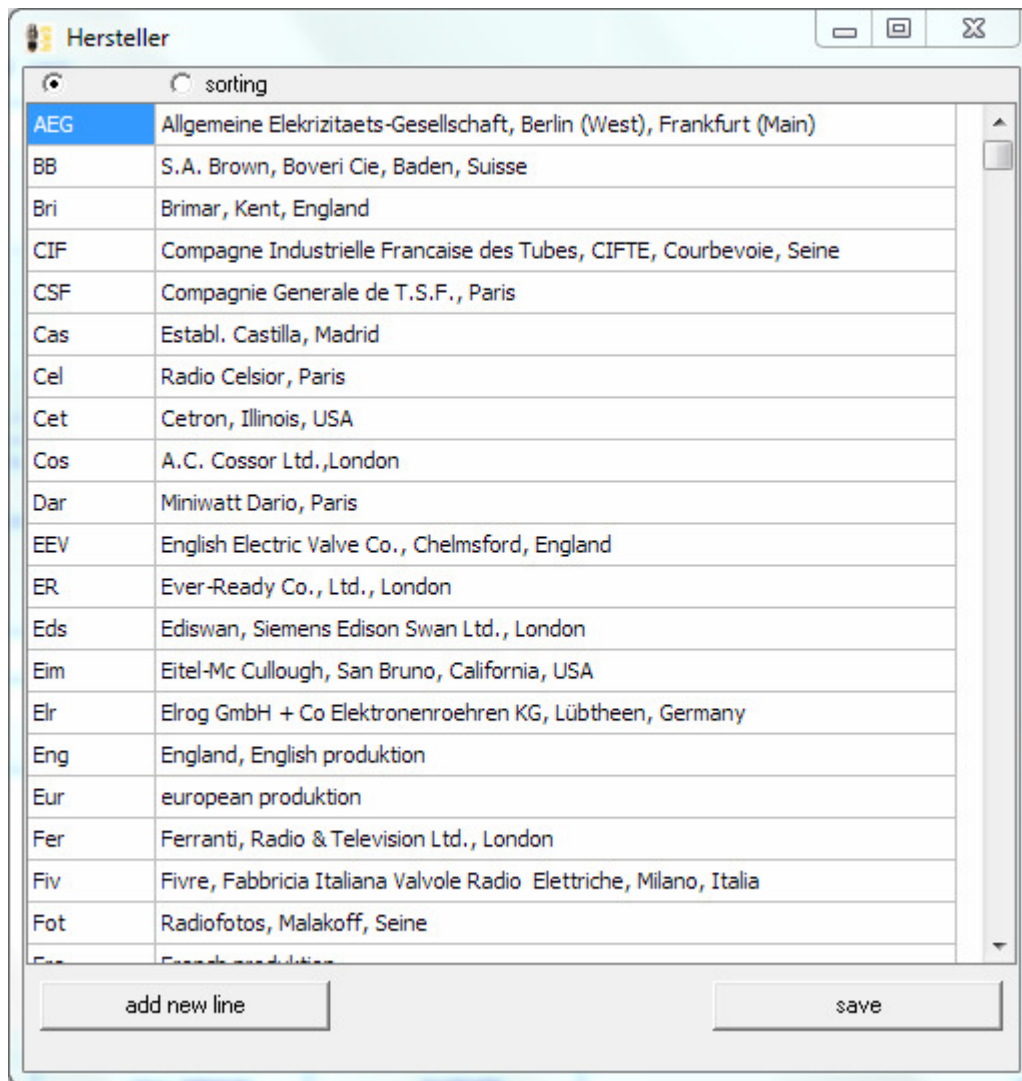
Use the delete button on your keyboard to delete a file name.

 Use this button to create a new empty text document using the standard application for .doc files that is installed on your computer (for instance Word).

 Use this button to make a picture of your tube using your webcam. See separate document.

### **Manufacturer list:**

Double click on the manufacturer field to bring up the manufacturer list. You can enter additional manufacturers. You can only use a specific acronym once. I used the same acronyms as used in the „Universal Vademekum“. For russian tube I used „russ“ instead „CCCP“ so that the indications in **tubestock** database match the indications used in the **tube data** database.



New at software version 7.7.0.0: Data of marked fields can be hold for next new data set. This is also functional in batch processing for all fields which are not automatical added (e.g. not for tube designation).

**The database is flexible and easy to use. You can use it without having the RoeTest hardware, in that case all data has to be entered manually.**

**You get the full functionality when using the RoeTest hardware that you can build yourself. Besides the extended measurement capabilities you also get the ability to automatically add tube data in batch processing mode (single button operation). This automatically enters the data in many fields and it automatically adds curve data as an appendix, and you can automatically make a webcam picture of the tube (see separate document that describes batch processing).**