



testo EasyKool  
Software

Instruction manual

en-GB








# General notes

This document contains important information about the features and use of the product. Please read this document through carefully and familiarize yourself with the operation of the product before putting it to use. Keep this document to hand so that you can refer to it when necessary.

This document describes the software with the program language **English GB**.

**!** The scope of the function for the software is dependent on the country-specific version of the connected measuring instrument and the number and kinds of instrument types for which the software was enabled via licence key. The descriptions in this document refer to the complete connection of all instrument types.

## Pictograms

Symbol	Meaning
	Identifies advice that requires particular attention.
<b>Text</b>	Text appears on the instrument display or PC monitor.
	Place the cursor over the named element and click with the left mouse button.*
	Place the cursor over the named element and click with the right mouse button.*

\* This is based on the standard mouse configuration (left button: highlight, right button: context menu)

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# A. Intended purpose

The testo EasyKool configuration and analysis software enhances the functionality of the testo 556 and testo 560 instruments with many useful functions:

- Instrument configuration via software.
- Customer, system and measurement data management.
- Data import from and data export to instrument.
- Creating, saving and printing measurement protocols from imported data.

# B. Using the software

## B.1 System requirements

### Operating system

Microsoft® Windows® 2000 (from Service Pack 4), Windows® XP (from Service Pack 2) or Windows® Vista

### Processor (min.)

Intel® Pentium® III, 800MHz

### RAM (mind.)

128MB with Windows® 2000 and Windows® XP

1 GB with Windows® Vista

CD-ROM drive for installation, mouse, USB 1.1 interface

### Screen resolution (min.):

800 x 600 pixels, recommended: 1024 x 768 pixels

### Hard disk (min.):

100 MB free memory

## B.2 Software installation

- ! The USB driver is located on the EasyKool program CD.  
! Before installing the USB driver, please read the separate documentation.
- ! Administrator rights are required to install the program under Windows® 2000, XP and Vista.  
After the installation, entering the licence key is required. If this is not entered, the software only runs as the demo version with a time limit of 30 days.  
At the initial startup of the software, a window for entering the licence key appears automatically.

1 Insert the CD.

If the installation program does not start automatically:

- ▶ In the CD directory (Access via **My Computer** or **Windows Explorer**) start the **Setup.exe** (🖱️ double click).

2 Follow the instructions of the installation program.

## B.3 Starting the software

▶  **Start** (🖱️) → **Programs** → **Testo** → **testo easyKool Software** (🖱️).

- The program is opened. The program language corresponds to the language of the operating system.

- At the initial startup of the software, a window for entering the licence key appears.

▶ Enter licence key (found on the CD packaging) → **OK** (🖱️).

! The scope of the function for the software is dependent on the country-specific version of the connected measuring instrument.

## B.4 Setting up a connection

The "PC/instrument connecting cable 0449 0047" is required to connect the testo 556/560.

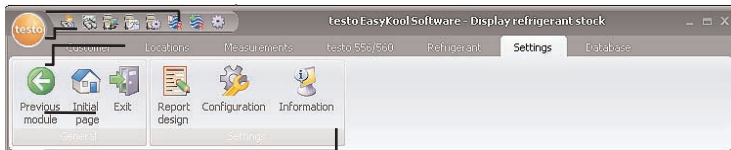
1 Connect the connecting cable to a USB socket of the PC.

2 Connect the connecting cable to a USB socket of the measuring instrument.

3 Switch on control unit (🔌).

! During the data transfer, the measuring instrument switches to **Slave Mode**, in which the control keys of the measuring instrument are blocked. If no data exchange takes place, the **Slave Mode** is ended and the measuring instrument can be controlled in the usual manner via the control keys.

# C. Operation



- ① **Quick access toolbar:** Fast access to set modules
- ② **Testo-Logo:** Possibility of a licence extension
- ③ **Ribbon bar:** Shows existing modules, sorted by module groups.
  - ▶ To open module group: Select desired module group e.g. **Settings** (🔍).
  - ▶ To open module: Select desired module e.g. **Configuration** (🔍).


The modules can also be opened with the quick access toolbar. The menus have the same names as the corresponding module groups.

! Some of the modules can only be opened if data was stored or specific data was selected in advance in another module.
- ④ **Ribbon group General:** Several important functions can be called up by clicking on the symbol
- ⑤ **Ribbon group function:** Shows the active module. The module window is the work area in which all entries are made.
  - ! If a module is not activated, the homepage containing the modules required most frequently (favourites) appear enabling direct access.



Some modules consist of several folders (e.g. **Configure testo 330** module):




Instrument Refrigerants Print text

- ▶ To open the folder: Select required folder in the module window, e.g. **Instrument** .

## ⑥ Data area:

### Adjusting the user interface

#### Sorting the tables:

- ▶ Select the column by which the table should be sorted, e.g. **Location ID.**  .
- A triangle () shows the column by which the table is sorted.

#### Selecting the table columns that are to be displayed:

- 1 Open the context menu ( on the table) → **Customize current view ...** (.
- 2 Select columns ( ) → **OK** (.

#### Changing the width of table columns:








- ▶ Select the right boundary line at the right next to the column heading ( hold down) → Drag the column to the desired width ( release).

# D. Application example






The most important steps required for a typical application of the software is explained in this chapter using an example.

A detailed description of all software functions can be found in E. Ribbon bar .


## Configuring the software

- 1 **Settings**  → **Configuration** .
- 2 **Own data**  → Enter/change address data.
- 3 **Units**  → Select units.
- 4 **Backup**  → Performing settings.
- 5 Taking on changes:  **Ready** .





## Configuring the instrument

- 1 **testo 556/560**  → **Configure testo 556/560** .
- 2 **Print text**  → **Own data**  → **Apply** .





## Creating new customer

- 1 **Customer**  → **Insert new customer** .
- 2 Enter the data for the new customer in the corresponding fields →  **Save** .

## Creating a new measure location

- 1 **Locations**  → **Insert new location** .
- 2 Enter the data of the new location in the corresponding fields in the folders **Location**, **Cooling device** →  **Save** .







## Transmitting location(s) to the instrument

- 1 **testo 556/560**  → **Transmit measure locations** .
- 2 Select location(s) in the **Measure locations on PC** folder   → **Transmit** .






### Performing measurements

- ▶ Activate location, carry out measurement and save measure values: see instruction manual for testo 314 or testo 330.

### Reading in the measurement data protocol(s) from the instrument

- 1 **testo 556/560**  →  **Download measurement data** 
- 2 Select measurement protocol(s) in the **Measurements in instrument** folder   → **Read** .

### Displaying and printing the measurement protocol

- 1 **Measurements**  → **Search measurement** .
- 2 Select measurement protocol  → **View** .
- 3 Print measurement protocol: **Print** .

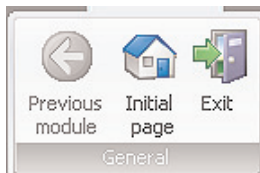
# E. Ribbon bar

## E.1 Testo Logo



- ▶ Open info window: ? (🔍) → **About ...** (🔍).

## E.2 General



### E.2.1 Previous module

- ▶ Scroll back to previous module: **File** (🔍) → **Previous module** (🔍).

### E.2.2 Initial page

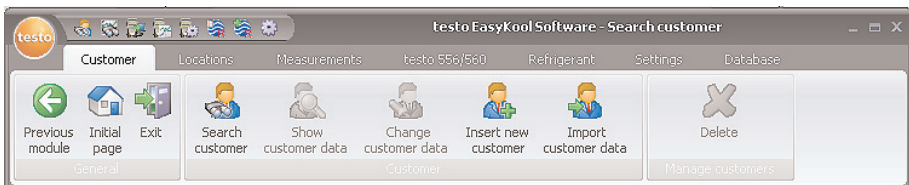
- ▶ Open initial page: **File** (🔍) → **Initial page** (🔍).

The initial page includes the modules used most frequently for direct access (favourites).

## E.2.3 Exit

- ▶ End program: **File** (☒) → **Exit** (☒).
- If you have not carried out data backup on the day, the **Database backup** window will open offering you the following options:
  - **Complete backup:** A complete backup is made of the database.
  - **Save changes:** Any changes made since the last backup will be saved.
  - **Currently no backup:** Program is ended without data backup being carried out.
- ▶ Carrying out data backup: Select required option (☒) → **OK** (☒) → **OK** (☒).

## E.3 Customer



The **Search customer**, **Show customer details**, **Change customer data**, **Insert new customer** and **Import customer data** modules can be opened via the Ribbon group **Customers**.

### E.3.1 Search customer

With the module **Search customer**, customers can be searched with the help of search criteria or via an alphabetical index.

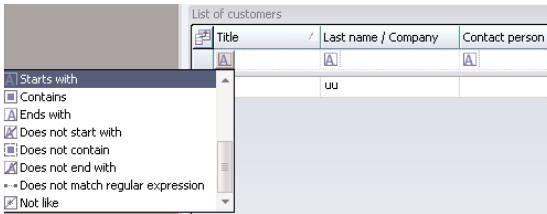
#### Open module

- ▶ **Customers** (☒) → **Search customers** (☒).

The module **Search customers** is divided into two parts. In the upper part is the folder **Search template**, in the lower part is the folder **Customers**.


### E.3.1.1 List of customers

- ▶  Select desired search criterion (condition) for a field .






- All customers whose entry in e.g. the field **Name/Company** begin with the corresponding condition, are displayed.
- If you enter several search criteria (conditions) for a search, only those customers who match these criteria will be found




#### Activating customers

- ! If a customer is not activated, the **Show customer data** and **Change customer data** modules cannot be opened.
- ▶ Activating customers .
- The selected customer is highlighted in color.





#### Displaying customer data

- ▶ Activating customers  →  **Show customer data** .
- The **Show customer data** module is opened, see *E.3.2 Show customer data*

#### Changing customer data



- ▶ Activating customers  →  **Change customer data** .
- The **Change customer data** module is opened, see *E.3.3 Change customer data*

#### Deleting customers

- ▶ Activating customers  →  **Delete**  → **Yes** .
- The customer is deleted.

- ! If a customer is deleted, all measurement sites and measurements of this customer are removed from the memory.

#### Setting up new customers

- ▶ **New** .
- The  **Insert new customer** module is opened, see *E.3.4 Insert new customer*

## E.3.2 Show customer data

The **Show customer data** module enables the address details and saved systems of a customer to be displayed.

### Opening the module

! The **Show customer data** module can only be opened if a customer was activated in the **Search customer** module, see *E.3.1 Search customer*

▶ **Customer**  → **Search customer** .

The **Show customer data** module is divided into two areas. The **Address** folder is in the upper area, and the **List of locations** folder in the lower.

### E.3.2.1 Address

#### Editing the address

▶ **Change** .

- The **Change customer data** module is opened, see *E.3.3 Change customer data*

#### Deleting the customer

▶ **Delete**  → **Yes** .

- The customer is deleted.

#### Finding the customer

▶ **Search** .

- The **Search customer** module is opened, see *E.3.1 Search customer*

### E.3.2.2 List of locations

#### Activating a measure location


! If no location is activated, the **Show measure location data and print protocol** and **Change measure location data** modules cannot be opened.

- ▶ Activate location (📍).
- The selected location is highlighted in colour.

#### Displaying measure location data

- ▶ Select the location (📍) →  **Show** (📍).
- The **Show measure location data and print protocol** module is opened, see *E.4.1 Show measure location data and print protocol*

#### Editing the measure location data

- ▶ Activate the location (📍) →  **Change** (📍).
- The **Change measure location data** module is opened, see *E.4.2 Change measure location data*, .

#### Deleting the measure location

- ▶ Activate the location (📍) → **Delete** (🗑️) → **Yes** (👉).
- The location is deleted.

#### Creating a new measure location

- ▶ **New** (📍).
- The **Insert new customer** module is opened, see *E.4.3 Insert new customer*

## E.3.3 Change customer data

The **Change customer data** module enables existing customer data to be edited.

#### Opening the module

! The **Change customer data** module can only be opened if a customer is activated in the **Search customer** module, see E.3.1 *Search customer*

- ▶ **Customer** (📍) →  **Change customer data** (📍).

#### Editing the data

! The customer number is allocated when the customer is first created. It cannot be changed afterwards.

- ▶ Enter changes to the customer data in the corresponding fields → **Save** (📍).
- The **Show customer data** module is opened, see *E.3.2 Show customer data*



## E.3.4 Insert new customer

A new customer can be inserted using the **Insert new customer** module.

### Opening the module

▶ **Customer** (👁️) → 👤 **Insert new customer** (👁️).

! Make sure that the customer number is correctly allocated, as it cannot be changed later.

▶ Enter the data for the new customer in the corresponding fields → 💾 **Save** (👁️).

- The **Show customer data** module is opened, see *E.3.2 Show customer data*

## E.3.5 Import customer data

The **Import customer data** module enables existing customer data to be imported from other applications

### Opening the module

▶ **Customer** (👁️) → 👤 **Import customer data** (👁️).

### Importing the data

Before importing customer data, you must convert them into a supported import format:

- Text file with separator (comma, semicolon, tab)
- Microsoft® Access® database
- Microsoft® Excel® worksheet

Standard programs (e.g. Microsoft® Outlook®) normally support one of the above formats.

1 Select the import format (👁️) - **Locate** (👁️).

2 Select the file to be imported.

If importing an Access database you may need to enter:

▶ **User ID** and **Password**.

3 **Next >** (👁️).

If importing an Excel worksheet you may need to enter:

▶ Select the worksheet (👁️) → **Next >**.

If importing an Access database you may need to enter:

▶ Select the table (👁️) → **Next >**.

### Assigning import data

Once the data have been read in, the data fields must be assigned. Only assigned data fields are accepted.

**If importing from a text file, note that the first line may not contain any address details. If necessary:**

▶ **Ignore first line** (☑️🗑️).

1 Open the list field (▾🗑️) - Select the target data field (🗑️).

- The import data field is assigned to the target data field.

2 Repeat step 1 for all other data fields.

! If the **Customer ID** data field is empty for a customer, a customer number is automatically assigned.

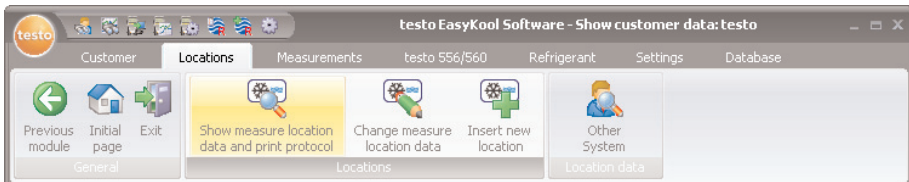
If the **Customer ID** data field exists for a customer but the customer number was already assigned in the configuration and analysis software, the existing data are replaced by the import data.

If the **Name/Company** data field for a customer is empty, these customer data are not imported.

3 **Apply** (🗑️) → **OK** (🗑️).

- The **Search customer** module is opened, see *E.3.1 Search customer*

## E.4 Locations



The **Locations** menu, the **Show measure location data and print protocol**, **Change measure location data**, **Insert new location** modules can be opened via the Ribbon group **Locations**.

### E.4.1 Show measure location data and print protocol

The **Show measure location data and print protocol**, module enables the system details and saved measurement data of a system to be displayed.

#### Opening the module

! The **Show measure location data and print protocol**, module can only be opened if a location was activated in the **Show customer data** module, see *E.3.2. Show customer data*

▶ **Locations** (📁) → **Show measure location data and print protocol**, (🔍).

The **Show measure location data** module is divided into two areas. The **Location, Owner, Cooling device** folder is in the upper area, and the **Measurements** folder in the lower.

#### E.4.1.1 Location, Owner, Cooling device

##### Editing the measure location data

▶ **Change** (🔍).

- The **Change measure location data** module is opened, see *E.4.2 Change measure location data*

##### Opening the Show customer data module


▶ **Show customer data** (📁).

- The **Show customer data** module is opened, see *E.3.2. Show customer data*

#### E.4.1.2 Measurements

##### Activating the measurement protocol




! If no measurement protocol is activated, the **Display measurement data** module cannot be opened.

- ▶ Activate the measurement protocol ().
- The selected measurement protocol is highlighted in colour.

### Displaying a measurement protocol


- ▶ Activate the measurement protocol ( → **Display** ().
- The **Display measurement data** module is opened, see *E.5.2 Display measurement data*

### Deleting a measurement protocol

- ▶ Activate the measurement protocol ( → **Delete** ( → **Yes** ().
- The measurement protocol is deleted.

### Merging a measurement protocol

Multiple measurement protocols can be merged into one measurement protocol.

- 1 Activate measurement protocols (); for multiple selections, hold down the [Ctrl] key.

## E.4.2 Change measure location data



The **Change measure location data** module enables existing location data to be edited.

### Opening the module

- ! The **Change measure location data** module can only be opened if a location was marked in the **Show customer data** module, see *E.3.2 Show customer data*

- ▶ **Locations** ( →  **Change measure location data** (.

### Editing the data

- ! The system number is allocated when the location is first created. It cannot be changed afterwards.
- ▶ Enter changes to the location data in the corresponding fields →  **Save** (.
- The **Show measure location data and print protocol** module is opened, see *E.4.1 Show measure location data and print protocol*



## E.4.3 Insert new location

A new location can be inserted using the **Insert new location** module.

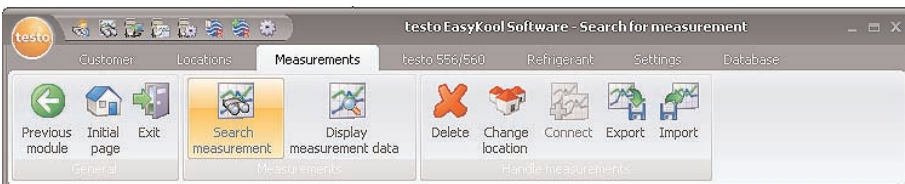
### Opening the module

- ▶ **Locations** ( →  **Insert new location** (.

- ! Make sure that the system number is correctly allocated, as it cannot be changed later.

- ▶ Enter the data of the new location in the corresponding fields in the **Location** and **Cooling device** folders →  **Save** ()
- The **Show measure location data and print protocol** module is opened, see *E.4.1 Show measure location data and print protocol*,

## E.5 Measurements






Using the menu **Measurements**, the **Search measurement** and **Display measurement data** modules can be opened.

### E.5.1 Search measurement


The measurement protocols can be searched for in the PC using the **Search measurement** module.

#### Opening the module



- ▶ **Measurements** () →  **Search measurement** ()
- All measurement protocols saved in the PC are displayed. For displaying the measurement protocols from only one location, see *E.4.1 Show measure location data and print protocol*

#### Activating the measurement protocol





! If no measurement protocol is activated, the **Display measurement data** module cannot be opened.

- ▶ Activate the measurement protocol ()
- The selected measurement protocol is highlighted in colour.

#### Displaying a measurement protocol






- ▶ Activate the measurement protocol () →  **Display** ()
- The **Display measurement data** module is opened, see *E.5.2 Display measurement data*

#### Deleting a measurement protocol

- ▶ Activate the measurement protocol () →  **Delete** () → **Yes** ()
- The measurement protocol is deleted.





### Changing a measure location

Measurement protocols can be assigned to another location.








- 1 Activate the measurement protocol () →  **Change location** (.
  - 2 Activate the location to which the measurement protocol is to be assigned () → **OK** (.
- The measurement protocol is assigned to the selected location.

### Merging

Multiple measurement protocols can be merged into one measurement protocol.

- 1 Activate measurement protocols (); for multiple selections, hold down the [Ctrl] key.
  - 2  **Connect** (.
  - 3 Select the location under which the measurement protocol is to be saved → **OK** (.
- The measurement protocols are merged into one protocol.

### Exporting/importing a measurement protocol

- 1 Activate the measurement protocol () →  **Export** () or  **Import** (.
  - 2 Enter the file names → **Save** () or select file → **Open** (.
- The measurement protocol is exported or imported.

## E.5.2 Display measurement data

The **Display measurement data** module enables the measurement protocols to be displayed and further processed.

**!** The **Display measurement data** module can only be opened if a measurement protocol was marked in the **Search measurement** module or in the **Show measure location data** module, see *E.3.2 Search measurement* or *E.4.1 Show measure location data and print protocol*

### Opening the module


- ▶ **Measurements** () →  **Display measurement data** (.

### E.5.2.1 Information

Information on the measurement protocol is displayed in the **Information** folder.

- ▶ Enter text of note in the **Remark** field.

### Printing the measurement protocol

- ▶ Print out the measurement protocol with information data and measure values: **Print** (.


### Displaying the print preview

- ▶ Display measurement protocol as a print preview: **Preview** .

## E.5.2.2 Measure values

The measure values are displayed in a table or in a list in the **Measure values** folder.

### Printing the measurement protocol

- ▶ Print out the measurement protocol with information data and measure values: **Print** .

### Displaying the print preview

- ▶ Display measurement protocol as a print preview: **Preview** .

### Save measurement values as pdf.

- ▶ **Save as pdf** .

### Exporting measure values as an Excel file

**!** Microsoft Excel 2000 or higher is required.

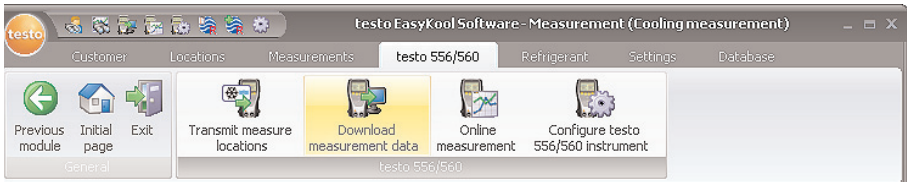
- ▶ **Export Excel** .

### Exporting measure values to the clipboard of the PC

- ▶ **Clipboard** .

- The measure values are exported to the PC clipboard as tab stop-separated text files.

## E.6 testo 556/560



### E.6.1 Transmit measure location

The **Transmit measure location** enables transmission of the locations on the testo 556/560 instrument.

#### Opening the module

- ▶ **testo 556/560** (🖱️) → **Transmit measure location** (🖱️).

The **Transmit measure location** module is divided into two areas. The **Measure location on PC** folder is in the upper area, and the **Measure location on instrument** folder in the lower.

#### E.6.1.1 Measure locations on the PC

The **Measure location on PC** folder displays the locations that are stored on the PC

#### Finding a specific location

- ▶ Enter a search criterion in a search field → Start the search: **Search** (🖱️).

#### Transmitting location(s) to the measuring instrument

Options:

- ▶ Select all locations: **Select all** (🖱️).
- ▶ Undo selection of all locations: **Select none** (🖱️).
- ▶ Select the location(s) (☑️🖱️) → **Transmit** (🖱️).

#### Displaying the location

- ▶ Activate the location (🖱️) → **Display** (🖱️).
- The **Show measure location data** module is opened, see *E.4.1 Show measure location data and print protocol*

#### Changing a location

- ▶ Activate the location (🖱️) → **Change** (🖱️).
- The **Change measure location data** module is opened, see *E.4.2 Change measure location data*







## E.6.1.2 Measure locations on the instrument

The **Measure locations on instrument** folder displays the locations that are saved on the instrument.

### Deleting location(s):

#### Options:

- ▶ Select all locations: **Select all** .
- ▶ Undo selection of all locations: **Select none** .
- ▶ Select the location(s)   → **Delete** .

## E.6.2 Reading the measurement data







Using the **Download measurement data** module, the measurement protocol from the testo 556/560 instrument can be saved on the PC.

### Opening the module

- ▶ **testo 556/560**  →  **Download measurement data** .

### Saving the measurement protocol(s)

#### Options:

- ▶ Select all measurement protocols: **Select all** .
- ▶ Undo selection of all measurement protocols: **Select none** .
- ▶ Select the measurement protocol(s)   → **Read** .
- The measurement protocol is saved at the same location on the PC as on the instrument. If the location of the selected measurement protocol is not present, this is automatically created.
- or-
- ▶ Select the measurement protocol(s)   → **Read as ...**  → Select target location → **OK**.
- The measurement protocol is saved on the PC under the selected location.

**Deleting a measurement protocol**

- ▶ Mark the measurement protocol (☒) → **Delete** (☒) → **Yes** (☒).
- The measurement is deleted.

**Displaying a measurement protocol**

- ! If the marked location was not yet saved on the PC, this function is not available.
- ▶ Select the measurement protocol (☑☒) → **Display** (☒).
- The **Display measurement data** module is opened, see *E.5.2 Display measurement data*,

## E.6.3 Online measurement

Using the **Online measurement** module, a cold measurement can be carried out during which the measuring instrument is controlled by the PC. The measure values are transmitted directly to the PC and displayed.

**Opening the module**

- ▶ **testo 556/560** (☒) →  **Online measurement** (☒).

### E.6.3.1 Measure values, Display, Diagram




**Carrying out the online measurement**

- ! Only those parameters and measuring units are displayed that were activated in the **Display order** folder (in the same module).
- 1 Set **Measure type**: (▼☒).
- 2 Set **Measurement cycle**: (⊞☒).
- 3 Start measuring: **Start** (☒).
- The online measurement starts.
- The measure values are displayed:
  - **Measure values** folder: Table with all measurement channels and date/time of the single measurements.
  - **Display** folder: Display fields with all measurement channels.
    - ▶ During a measurement, the mean values, maximal values, minimal values can be displayed instead of the actual values: **Actual values** (▼☒).
  - **Diagrams** folder: Measurement diagram with 16 selectable measurement channels and automatic scaling of the time axis.

4 End measurement **Stop** .

- The online measurement is stopped.

**Options (only in Measure values folder):**




- ▶ Save measure values: **Save** .
- ▶ Export measure values to Microsoft Excel (Microsoft Excel 2000 or higher required!): **Export Excel** . .
- ▶ Export measure values to the clipboard (tab stop-separated text file): **Clipboard** .

### E.6.3.2 Display order

The available measurement channels are displayed in the **All channels** area. Only the parameters and measuring units that are present in the current display sequence of the measuring instrument are available.

The measurement channels displayed on the PC during online measurement are displayed in the **Shown channels** area.

**Setting up the display sequence**

- ▶ Add/delete measurement channels: **Add ->**, **Add all ->**, **<-Delete** or **<- Delete all** .
- ▶ Arrange the sequence of the measurement channels: Select the measurement channel  → **Up** or **Down** .

## E.6.4 Configuring the testo 556/560

The testo 556/560 measuring instrument can be configured using the **Configure testo 556/560** module.

**Opening the module**

- ▶ **testo 556/560**  →  **Configure testo 556/560** .

### E.6.4.1 Instrument

The **Instrument** folder displays important information regarding the connected measuring instrument. The data and time in the analyser can be synchronised with your PC.

**Synchronise date/time manually**

- ▶ **Synchronise now** .

### E.6.4.2 Refrigerant

The available refrigerants are displayed in the **All refrigerants** area. Only those refrigerants are available which are present in the measuring instrument.

#### Selecting the refrigerant

- ▶ Add/delete refrigerants: **Add ->**, **Add all ->**, **<- Delete** or **<- Delete all** (🗑️).
- ▶ Organize refrigerants: Select the refrigerant (👁️) → **Up** or **Down** (👁️).

### E.6.4.3 Print text

The headers and footers for protocol printouts for the testo 556/560 measuring instrument can be set up in the **Print text** folder.

#### Setting up print texts

- ▶ Enter print texts in the text input fields.

#### Optionn:

- ▶ Overwrite data with own address data: **Own address data** (👁️).

## E.7 Refrigerant



Using the **Refrigerant** menu, the **Display refrigerant stock**, **Document changes**, **Export data to VDKF-LEC** modules can be opened.

### E.7.1 Display refrigerant stock

With the **Display refrigerant stock** module, the stock of refrigerant over a selected time period can be displayed.

#### Opening the module

- ▶ **Refrigerant** (👁️) → **Display refrigerant stock** (👁️).

#### Managing the refrigerant

- ▶ Select the refrigerant: **Refrigerant** (▼👁️)

## E.6.4.2 Refrigerant

The available refrigerants are displayed in the **All refrigerants** area. Only those refrigerants are available which are present in the measuring instrument.

### Selecting the refrigerant

- ▶ Add/delete refrigerants: **Add ->**, **Add all ->**, **<- Delete** or **<- Delete all** (🗑️).
- ▶ Organize refrigerants: Select the refrigerant (👁️) → **Up** or **Down** (👁️).

## E.6.4.3 Print text

The headers and footers for protocol printouts for the testo 556/560 measuring instrument can be set up in the **Print text** folder.

### Setting up print texts

- ▶ Enter print texts in the text input fields.

#### Optionn:

- ▶ Overwrite data with own address data: **Own address data** (👁️).

# E.7 Refrigerant



Using the **Refrigerant** menu, the **Display refrigerant stock**, **Document changes**, **Export data to VDKF-LEC** modules can be opened.

## E.7.1 Display refrigerant stock

With the **Display refrigerant stock** module, the stock of refrigerant over a selected time period can be displayed.

### Opening the module

- ▶ **Refrigerant** (👁️) → **Display refrigerant stock** (👁️).

### Managing the refrigerant

- ▶ Select the refrigerant: **Refrigerant** (▼👁️)

## E.7.3 Exporting the data to VDKF-LEC

(Software from the IKK Wirtschafts- und Informationsdienste GmbH)

! The menu is only available if the region (location) is set to "German (Germany)" in the regional settings of the operating system.

Using the **Export data to VDKF-LEC** module, stock and variable data are exported.

### Opening the module

▶ **Refrigerant** (☞) → **VDKF Export data to VDKF-LEC** (☞).

### Selecting the customer stock data

▶ Select the customer stock data (☑☞) → **Browse** (☞) → **Export** (☞).

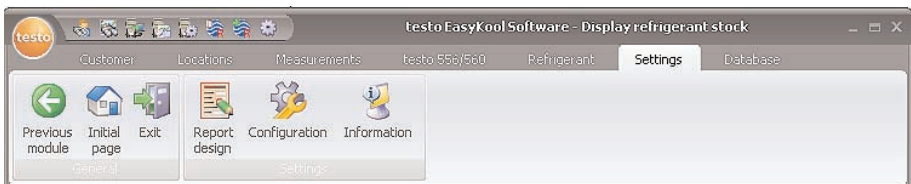
### Selecting the system stock data

▶ Select the system stock data (☑☞) → **Browse** (☞) → **Export** (☞).

### Selecting the refrigerant variable data

▶ Select the system stock data (☑☞) → **Browse** (☞) → **Export** (☞).

## E.8 Settings



Using the **Settings** menu, the **Report design**, **Configuration** and **Information** modules can be opened.

### E.8.1 Report design

The reports for the printout of measurement protocols can be changed to be user-specific in the **Report design** module.

#### Opening the module

1 **Settings** (☞) → **Report design** (☞).

- The measurement methods to which a report is assigned are displayed.

! Where measurement methods are not displayed, measurement protocols are printed out in a fixed standard layout. You can, however, create a report specific to these measurement methods:

▶ **New** (👁) → Activate the measurement method (👁) → **OK** (👁).

2 Activate the measurement method for which the report is to be changed (👁) → **OK** (👁).

The **Report design** module is divided into two areas. In the left-hand area are the **Field**, **Font**, **Border** and **Page** folders, in the right-hand area the **Editor** and **Preview** folders.

### Saving a report

▶ **Save** (👁).

- The saved report is used when printing out measurement protocols of the selected measurement method.

### Saving a report as a template

▶ **Backup as ...** (👁) → Enter the report name → **OK** (👁).

- The report is saved and can be retrieved when necessary.

### Retrieving a report

▶ **Restore from ...** (👁) → Mark the report name (👁) → **OK** (👁).

- The report is retrieved.

### Printing a report

▶ **Print** (👁).

- The report is printed out as displayed in the **Preview** folder.

## E.8.1.1 Field, Font, Border, Page

The field properties of the report fields (field type, font and frame) and the page properties can be changed in the folders.

! The properties displayed for the field, font and frame are valid for the report field that is selected in the **Editor** folder (in the same module).

### Setting the field type

▶ Select the field type under **Field** (👁):

• **Text field:** Text is inserted in the report field as it is entered.

▶ Enter text in the text field.

• **Data field:** The value stored in the database (measure value, customer or system data) of the selected data field is inserted into the report field.

▶ Select the data field (👁).

• **Graphics (Logo):** The selected graphic is inserted in the report field.

- ▶ Select the graphic: **File ...** (📁) → Select the file → **Open** (📄).
- **Chart (measurement data)**: The readings for the measurement protocol that are stored in the database are inserted into the report field as a graphic.
- **Table**: The readings for the measurement protocol that are stored in the database are inserted into the report field in table form.
  - ▶ **Select printing area** (▼)
  - ▶ **Select range of table to be printed** (▼)
  - ▶ **Select date of table to be printed** (▼)

### Making font settings

! This function is only available if the **Text field** or **Data field** is selected as the field type.

- ▶ Select the font under **Font** (🔍📄):
  - **Standard font**: The standard font set in the Page folder is used.
  - **Special font**: A font other than the standard font is used.
    - ▶ Select the font: **Font ...** (📁) → Set the values → **OK** (📄).
  - **Barcode**: “Barcode” font is used.
- ▶ Select the orientation in the text field under **Alignment** (▼📄).

### Making border settings

- ▶ Select the border properties of the report field under **Border** (▼📄).

### Making page settings

The page settings and the standard font of the report can be changed in the **Page** folder.

- ▶ Enter or set the page properties (⚙️📄).
- ▶ Define the standard font: **Standard font...** (📁) → Set the values → **OK** (📄).

## E.8.1.2 Editor

The **Editor** folder can be used to add form fields to the report, change the size or delete report fields.

### Adding a new report field

- ▶ Mark the corner of the report field on a free area of the report (press and hold 📄) → Drag the report field to the desired size → Complete insertion (release 📄).

### Moving a report field

- ▶ Mark the report field (press and hold 📄) → Drag the report field to the desired position → Complete moving (release 📄).

### Deleting a report field

- ▶ Mark the report field (📄) → [**Delete**] (keyboard).



### E.8.1.3 Preview

A preview of the report is displayed in the **Preview** folder.

## E.8.2 Configuration

### Opening the module

▶ **Settings** (🔍) →  **Configuration** (🔍).

### E.8.2.1 Initial page

The modules that are to be displayed on the initial page can be selected in the **Initial page** folder.

#### Adding or removing a module

▶ **Initial page** (🔍) → Mark the module (🔍) → **Add** or **Delete** (🔍).

#### Standard module (Factory setting)

▶ **Initial page** (🔍) → **Standard** (🔍).

▶ Arrange start modules: Select the module (🔍) → **Up** or **Down** (🔍).

▶ To close the selection: **Save**

### E.8.2.2 Communication testo 556/560

The connections that are supported by the software can be selected in the **Communication testo 556/560** folder.

▶ Activate the desired connections (☑️🔍).

### E.8.2.3 Units

In the **Units** folder, the units for refrigerant weight, height above sea level, oil quantity and pressure are determined.

▶ **Units** (🔍) → Select the unit (▼🔍) → **Save** (🔍)

### E.8.2.4 Customer data

In the **Customer data** folder, the default settings for the entry of customer and location data can be made.

▶ Activate the desired functions (☑️🔍).

### E.8.2.5 Own data

You can enter your own address details in the **Own data** folder.

▶ **Own data** (🔍) → Enter/change the address details.

### E.8.2.6 Color scheme

In the folder **color scheme**, the desired monitor presentation can be selected.



- ▶ Select desired monitor presentation (   ).

### E.8.2.7 Backup







Default settings for saving data can be made in the **Backup** folder.

- ! To ensure that the data are protected against any fault in the hard disk, the backup files should be saved on a different data carrier.

#### Selecting the directory for backup files

- ▶ **Browse** (  ) → Select the directory → **OK** (  ).

#### Setting the backup method

- ▶ **Full backup** (   ) → Select the desired option (  ).
- ▶ **Incremental backup** (   ) → Select the desired option (  ).

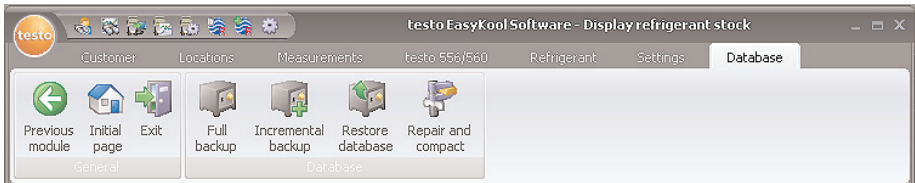
## E.8.3 Information

The **Information** module contains 4 folders in which important information about the PC used and the software are displayed. It is useful to have this information to hand when contacting our hotline as it will help in diagnosing errors.

#### Opening the module

- ▶ **Settings** (  ) →  **Information** (  ).

## E.9 Database



### E.9.1 Full backup

- 1 Save all the data in full: **Database** → **Full backup** .
- 2 Confirm **Hinweis 3010: OK** .

### E.9.2 Incremental backup

- 1 Save changes since the last data backup: **Database** → **Incremental backup** .
- 2 Confirm **Hinweis 3009: OK** .

### E.9.3 Restore database

- 1 Open **Restore database** window: **Database** → **Restore database ...** .
- 2 Restore data: Select the desired point in time for the restoration → **OK** .
- 3 Confirm **Hinweis 3013: OK** .

### E.9.4 Repair and compact

It is possible to rectify database errors, e.g. those occurring after a system crash or power failure.

- ▶ Rectify an error in the database: **Database** → **Repair and compact** .

# F. Questions and answers

Question	Possible causes	Answer
Uninstalling the software.	-	► Use the Windows uninstall routine

If we could not answer your question, please contact your dealer or Testo Customer Service. Contact details can be found on the guarantee card or on the Internet under [www.testo.com](http://www.testo.com).









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**testo AG**

Postfach 11 40, 79849 Lenzkirch

Testo-Straße 1, 79853 Lenzkirch

Telephone: +49 (0) 7653 681-0

Fax: +49 (0) 7653 681-100

E-mail: [info@testo.de](mailto:info@testo.de)

Internet: <http://www.testo.com>