# 2. HANDBOOK



# **Manual fidbox Software – Explanation and Guide**

floor protector.

Safe from the Ground up.



# **Contents Overview**

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- 2. Sync sending data per E-Mail and archiving
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- 6. Init **fidbox** –see separate manual for this section
- 7. Reports see separate manual for this section
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- 11. Info –language, software version and identification of USB Stick Reader
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This screen appears immediately after the start of the **fidbox** program.

The **fidbox** software is available in German and English.

Choose your language setting by clicking the button "Info".

Once you have selected the language, you can take advantage of the other buttons on the left side. All parts of the program, as well as reports and evaluations are then displayed in the selected language.





The program section "**Info**" provides information about the installed version of the software and the copyright information of this **fidbox** computer software.

#### > 1 Connected Reader:

This identifies the USB reader with which you are working and its serial number (in this case it is 1011041)

# > 2 Language:

Select your language by using the drop down menus

> U.S. Version – This is intended for the North American market only

# > 3 Software version:

The version is: 3.6.2



Sync	$\longrightarrow$	Synchronisation of fidbox measuring data from Handheld or USB Reader with Computer, archiving and sending data per E-Mail
Table	$\longrightarrow$	Table analysis of fidbox measuring data
Chart	$\longrightarrow$	Chart analysis of fidbox measuring data
Compare Chart	$\longrightarrow$	Chart comparison analysis of two different fidbox measuring data
init fidbox	$-\!$	Find fidbox, Read-out and adjust fidbox setting
Report	$-\!$	Reports, producing and evaluating of fidbox measuring data
Delivery Note	$\longrightarrow$	Reserved for FloorProtector support team
Handheld Tools	$\longrightarrow$	Software Update for Handhelds
<b>€</b> Manual	$\longrightarrow$	Different manuals for immediate access
Info	$\longrightarrow$	Program information for version and language setting D / EN
Close	$\longrightarrow$	Close the program and return to system level



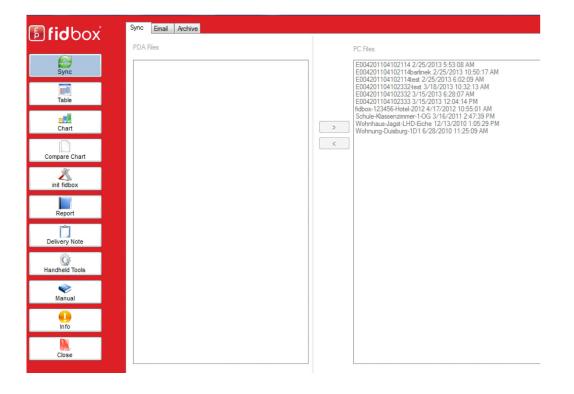


# **Important Notice**

If you read the measurement data file of a **fidbox** with the same serial number several times and save the readings to your computer each time, the original stored measuring data file on your computer will be "**overwritten**".

To avoid this, you can rename the existing data file manually. It is essential that you write the new file name without spaces i.e. Hotel-lobby-01-2010.xml. Contact us if you have any questions.





# Sync is used to collect data from the handhelds, to send data per E-Mail and to archive required data.

All **fidbox** data files stored on your computer can be easily and quickly sent as an E-Mail with a click of the mouse e.g. to floorprotector for an analysis of the data.

All **fidbox** files stored on the computer will be shown in the "Enclosures". These data files can now be individually selected. Each blue marked file has been selected for sending.

The displayed data file shows the name / serial number of the read **fidbox** with a supplementary date showing the time of being placed into memory.

Continue on the next page....







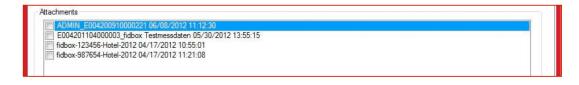
# Step 1:

Click on the selection tab "Email". In the selection window click on "E-Mail Program" choose your actual E- mail program for sending E-Mails. Enter the address of the recipient in the box "E-Mail Address".



# Step 2:

Enter in each field the necessary information that you want to share with the recipient.

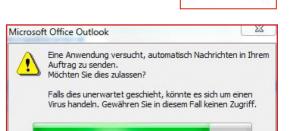


# Step 3:

Mark the desired **fidbox** data file (check mark) to be sent.







Send



# Step 4:

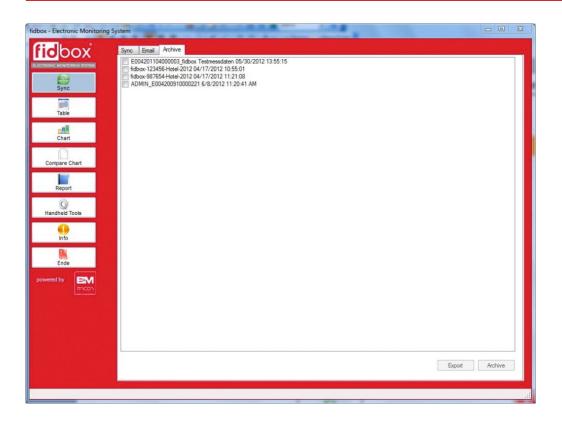
Finally, click the "send email" button which is found on the bottom right of the screen display. The E-Mail is on its way.

Eventual information prompts from Windows will confirm the successful transmission of your E-Mail.

Eventual queries and usage rights from Windows should be confirmed in accordance with the instructions or as you prefer.







# Archiving fidbox measuring data

All **fidbox** measuring data files stored in memory on the computer can be filed in the archive quickly and easily with one click.

A regular archiving will give clarity regards the actual measured data files, especially if there are many **fidbox** data files to be managed on the computer.

A **fidbox** measuring data file can be reactivated from the archive at any time for an evaluation.

Continue on the following page....







# Step 1:

Click on the selection tab "Archive".

All currently stored fidbox data files will be shown in the display "archive" (sorted alphabetically). You can now individually select these measuring data files. Each selected data file for archiving is indicated with a tick mark.

The displayed data file shows the name/serial number of the read fidbox together with a date and time of saving to memory.









# Step 2:

Choose whether you want to export the data for example to a disk, to a different hard drive, to a different folder or if you wish one or the other to be stored in the folder created in fidbox archive folder.

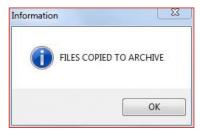
# Step 3:

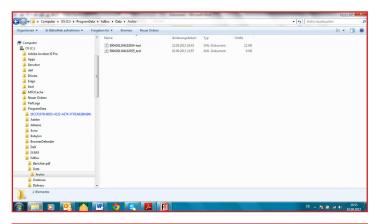
If you select "Export", enter the desired drive specification of the destination folder in which you wish to archive the data to be stored and click "OK". The selected fidbox measuring file data is then stored in the destination folder.

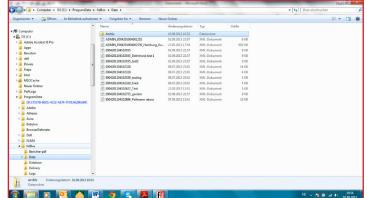
Continue with the alternative – "Archive" on the next page ...











# Step 4:

A confirmation will appear after pressing the button "Archive". The required fidbox measuring data files have been successfully moved to the archive folder.

#### Information:

The archived data has been routinely moved to the folder C:\ProgramData\fidbox\Data\Archive

And can be retrieved from there at any time and put back into the "data-folder" using the copy and paste function.





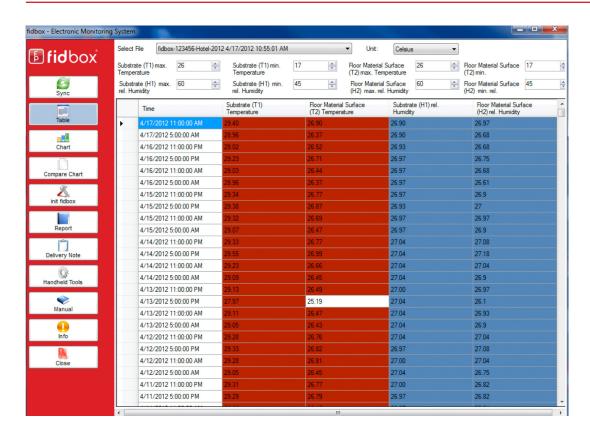


Continue with Close or make a new selection ...





#### 3. Table - Evaluation in data tables



The **fidbox** measurement data file selected for measurement data analysis can be immediately displayed on the screen.

Chronologically, all available measuring data of the selected **fidbox** beginning with the most recent **fidbox** reading are shown in tabular form. Using the scrollbar on the side of the display, all available measured data can be viewed by upward and downward scrolling.

All red/blue colored single measurement values indicate reading infringements of higher or lower values than the pre-defined limitations.

The standard limitation values may be adjusted as desired for this display. Accordingly, the shown readings will adjust in regards to infringements of the higher or lower limitations.





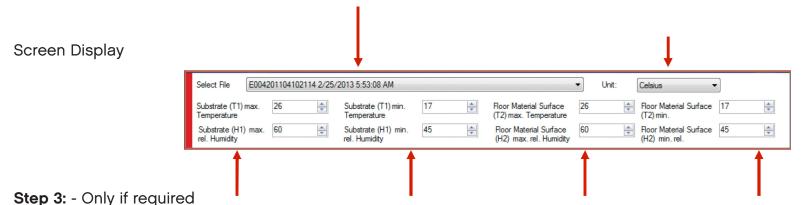
#### 3. Table - Evaluation in data tables

#### Step 1:

Click "Select File" and choose the desired fidbox measurement data file for evaluation.

# Step 2: - Only if required

Select if required in the selection window "Unit" for the desired temperature display "Celsius or Fahrenheit". This means that all temperature-reading of (Celsius = factory setting) will be converted and accordingly shown.

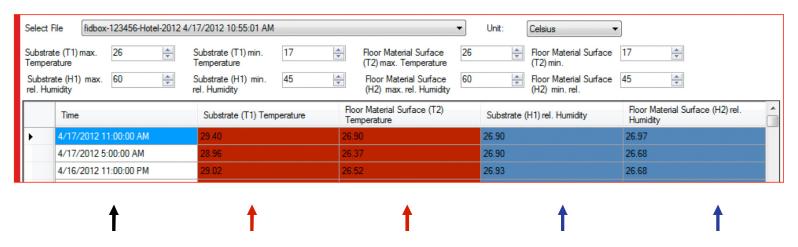


Select if required in the selection window "max. / min. Temperature and rel. Humidity" the desired setting for the evaluation criteria and make the required changes using the arrow buttons on the side. This will mean that all subsequent evaluations will be shown with the temperature and relative humidity setting given in this display. Deviations above the upper set values will be shown in "red" and deviations below the lower set values will be shown in "blue".





#### 3. Table - Evaluation in data tables



# Table display of measuring data

The stored individual measurement data of the selected **fidbox** measurement data file are shown in this table separately for each measurement sensor parquet and screed.

1- Time

2- Floor Material Surface (T2)

3- Substrate(T1)

4- Floor Material Surface r.H. (H2)

5- Substrate r.H. (H1)

Date and time of the measurement (display form mm:dd:jj - hour:min – AM/PM)

Temperature (°C) on the surface of the floor material

Temperature (°C) on the surface of the substrate

relative Humidity (%) on the surface of the floor material (measured capacitive)

relative Humidity (%) on the surface of the substrate (measured capacitive)

You can make as many changes in the display form as you wish. It has no effect on the stored original data.





# 3. Table – Evaluation in data tables



Continue with Program Exit or new selection  $\dots$ 







Screen Display

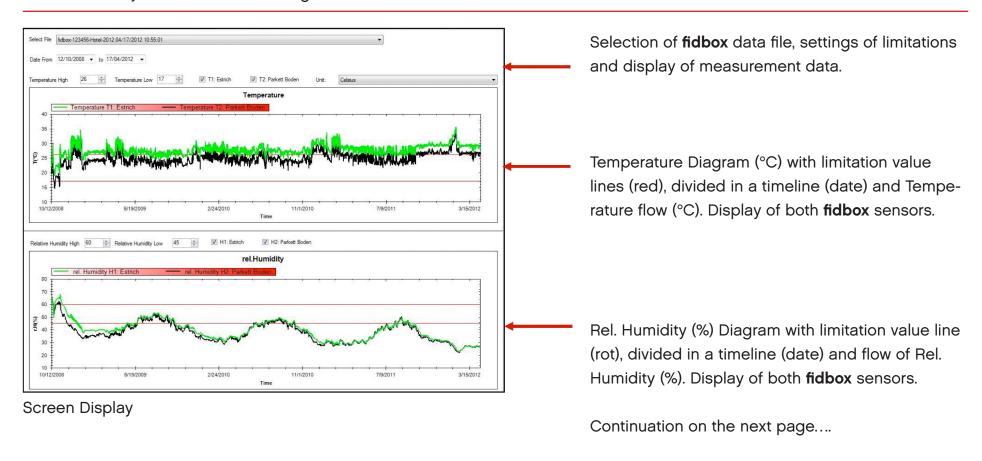
After the complete **synchronization** between the handheld and the computer (see Section 2) the **fid-box** measuring data can be immediately selected and analysed by clicking on the program selection button "**Diagram**".

The progression of the whole measurement period can be viewed in understandable diagrams, separated by temperature levels (°C) and relative humidity (%).

Zooming in selected periods of time and movement of limits is possible at any time and without any impact on the originally stored data.





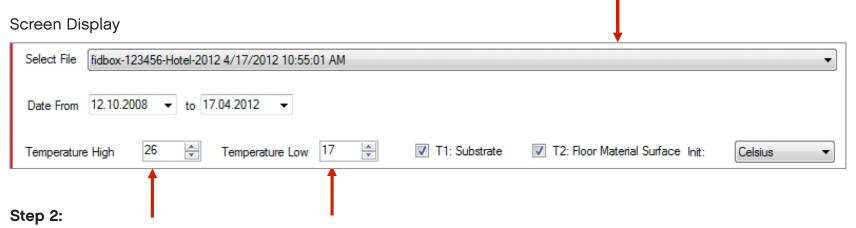






# Step1:

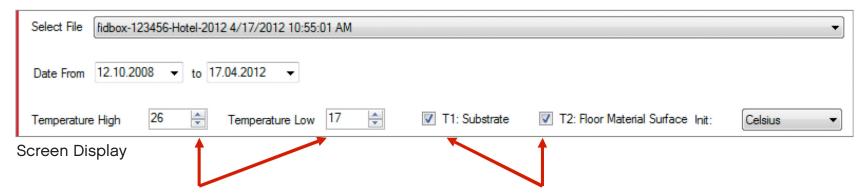
Select the **fidbox** measuring data file desired for data analysis. All available **fidbox** measuring data files are displayed for selection in the scroll down menu. The desired **fidbox** data file can be selected by clicking on the data file and it is immediately displayed for analysis.



For the data analysis evaluation time period select "Date from" and "Date to" of the desired **fidbox** measuring data file. In the scroll down menu, the factory setting will display all available **fidbox** measuring data for selection. By clicking and selecting the desired date limitations (in calendar form) the desired date limitations are selected and immediately displayed for analysis. Tip: Note that in the field "**Date from**" you must have an earlier date than in the field: "**Date to**".







Step 3: - if desired

Click the scroll button "temp high:" or "temp low:" and set this to the desired temperature limitations (i.e. in °C), to which the data are to be analysed. If you call a **fidbox** measuring data file up for chart analysis, the temperature settings are displayed based on your selection as an upper or lower limit (red line limit). You always have the option to adjust the display to your liking and change it. The factory setting is: temp above 26 °C and below temp: 17 °C.

Step 4: - if desired

By activating or deactivating the display of a measuring sensor it can be shown or hidden. With a set tick mark (factory setting), the respective sensor measurement is presented as a graph in the display.

T1: Substrate sensor as a green line\_

T2: Floor Material Surface sensor as a black line\_

You always have the option to change this display to your liking.







Screen Display

#### Conversion formula

°Celsius in °Fahrenheit

3,038 °F = 1 °C

1 °F = 0,329 °C

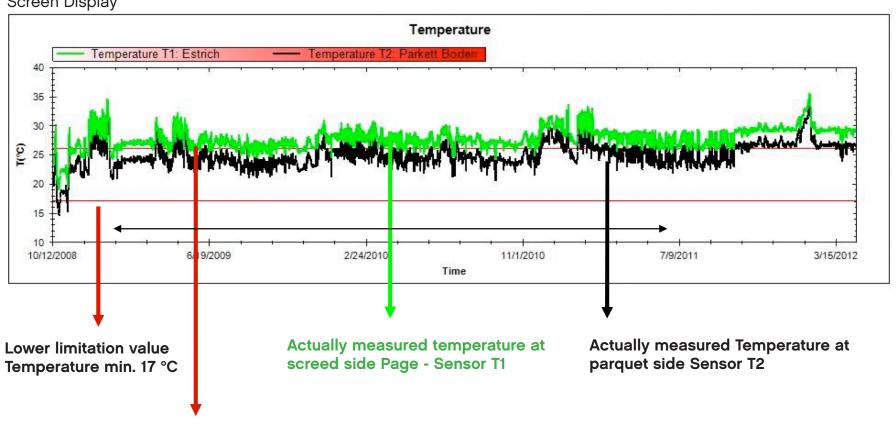
# Step 5: - only if necessary

If required, choose in the selection window "Unit" of the desired fidbox to be evaluated, the desired temperature indicators "Celsius / Fahrenheit". This means that all temperature indicators (C = factory setting) are converted accordingly and then displayed in Fahrenheit.



# **Diagram Analysis Temperature**

# Screen Display



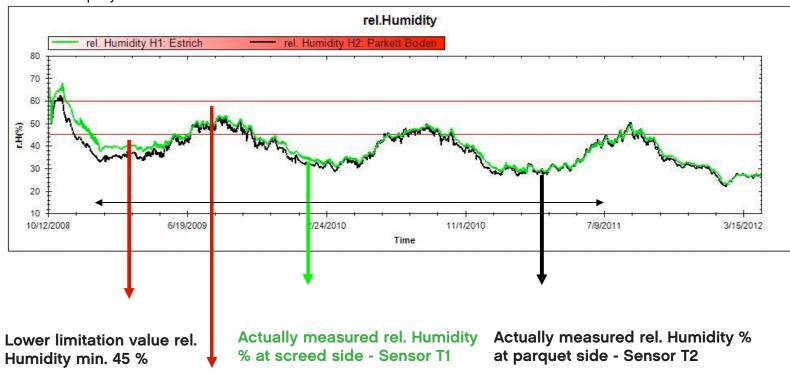
**Upper limitation value** Temperature max. 26°C







# Screen Display



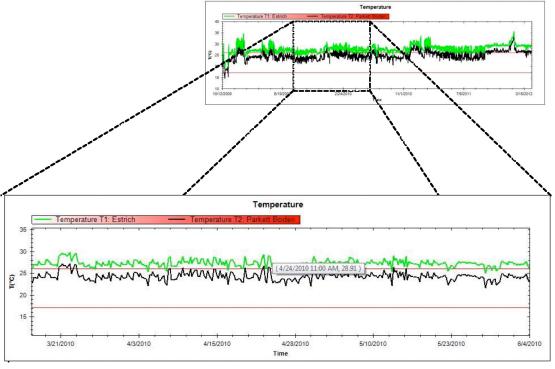
Upper limitation value rel. Humidity max. 60 %







# → |



# **Diagram section - Zoom**

During the display of chart analysis, there is an additional help tool available. The possibility of enlarging a selected portion of the graphic display – as large as you wish.

As you are in the graphic display, press and hold the left mouse button and drag the zoom range (dashed line) to the desired size.

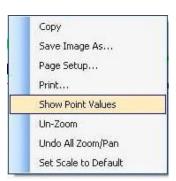
Close this zoom range again by pressing the right mouse button. Click "undo all zooms" in the context menu that appears



Bildschirmanzeige





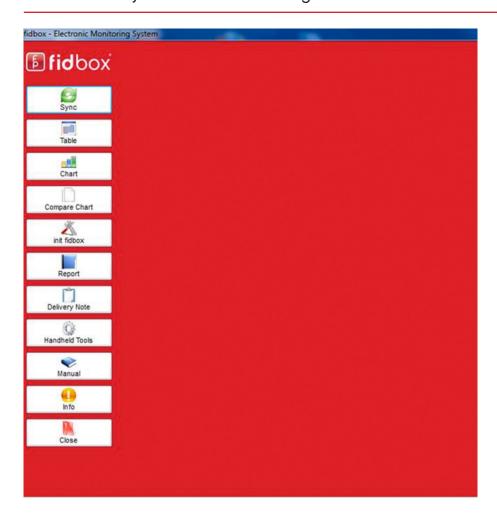


While the screen is the chart analysis, an additional tool is available and is called a **Context Menu** (right mouse button to activate). Select from the following options:

- copy copy the screen to the clipboard
- save Image as ... save the screen display to memory as a data file
- Page Setup ... Settings for page display
- Print ... actual page is printed
- Show Point Values display measuring values of chart at the mouse pointer
- Un-Zoom undo last Zoom
- Undo all Zooms undo all Zooms
- Set scale to Default reset of values in the display to factory settings



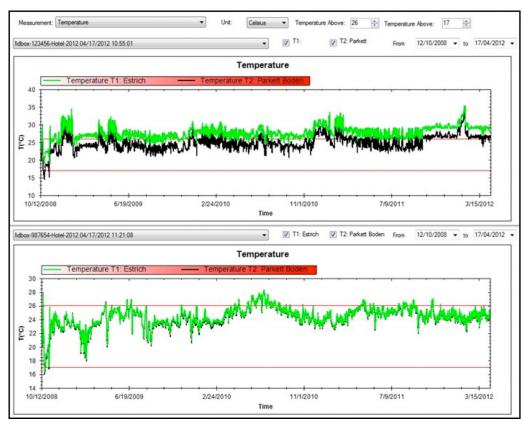




Continue with close or make a new selection ...







Bildschirmanzeige

After the read out of the **fidbox** measuring data, the required data files of two different **fidbox** units can be selected and immediately analysed by clicking on the program selection button "Compare Chart".

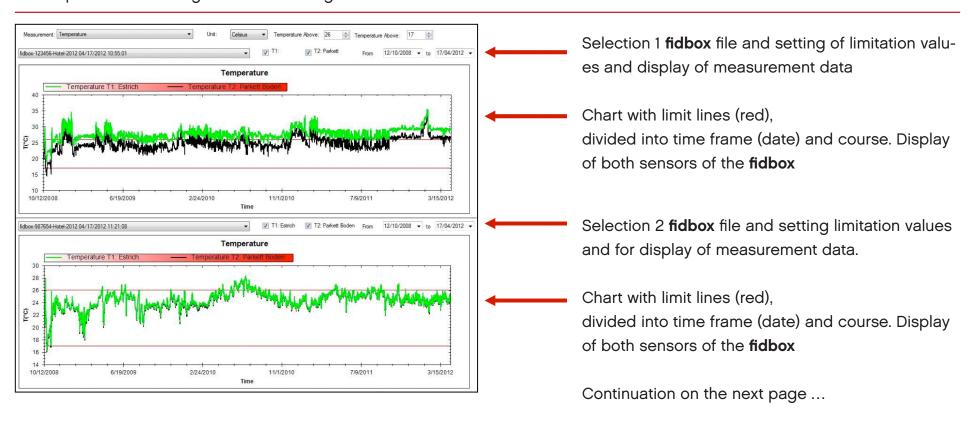
Thus, it is possible to have two different **fidbox** elements in direct comparison and to present and to analyze with each other.

The progression of the whole measurement period can be viewed in understandable diagrams, separated by temperature levels (°C) and relative humidity (%).

Zooming in selected periods of time and movement of limits is possible at any time and without any impact on the originally stored data.





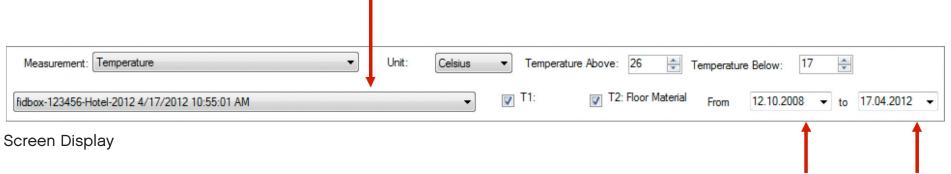






#### Step 1:

Select for comparison charts the desired **first fidbox** measuring data file. In the scroll down menu you will find all available **fidbox measuring data** files to choose from. By clicking the desired file, the desired **fidbox** file is selected and immediately displayed for analysis.



# Step 2:

For the data analysis evaluation time period select "Date from" and "Date to" of the desired **fidbox** measuring data file. In the scroll down menu, the factory setting will display all available **fidbox** measuring data for selection. By clicking and selecting the desired date limitations (in calendar form) the desired date limitations are selected and immediately displayed for analysis.

Tip: Note that in the field "Date from" you must have an earlier date than in the field: "Date to".



(Factory setting is for temperature).



# 5. Compare Chart - Using fidbox measuring data

# Step 3:

Compare Char

Choose what you want to first analyse in the comparison charts. Click in the field "Measurement" on the scroll button and select out as desired. Temperature °C or rel. % Humidity. This setting can be changed at any time.

Select if required in the selection window "Unit" the desired fidbox temperature display "Celsius / Fahrenheit". Hereby, all temperature (factory setting Celsius) will be converted accordingly and so

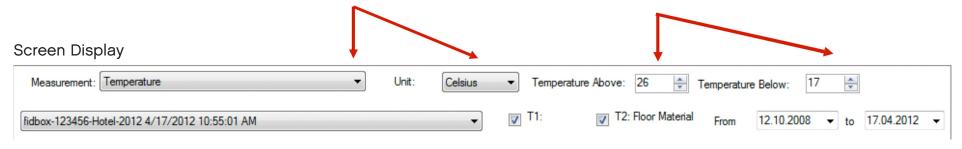
displayed.

# Step 4:

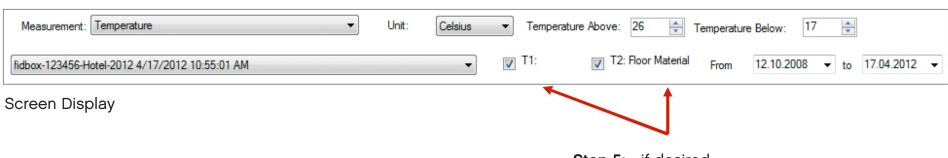
Click the scroll button and set here if required other desired values with which the data should be evaluated.

When you call-up the fidbox measuring data files for comparison chart analysis, the limitation value settings are displayed corresponding to your selection as upper or lower limit (red line limit). You always have the option of adapting and change the display settings according to your wishes and adapt to change.

The factory setting is: temp above 26 °C and below temp: 17 °C or relative humidity above 60% and relative humidity below 45%.







Step 5: - if desired

By activating or deactivating the display of a measuring sensor it can be shown or hidden. With set tick mark (factory setting), the respective sensor measurement is presented as a graph in the display.

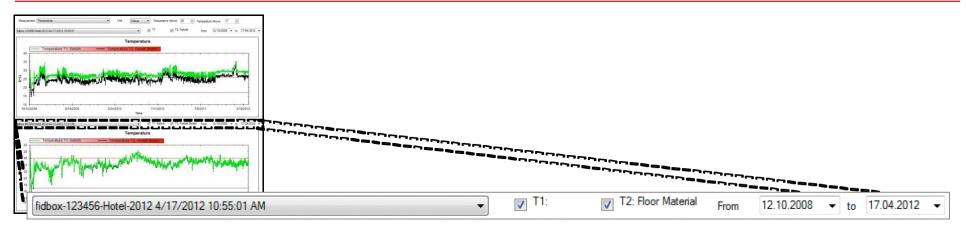
T1: Substrate sensor as a green line \_

T2: Floor Material sensor as a black line \_

You always have the option to change this display to your liking.







Screen Display

# Step 6:

Complete the selections and settings for the <u>second **fidbox**</u> as well for comparison charts. This allows you to analyze both selected fidbox data sets in a direct comparison.

You always have the option to change this display to your liking.





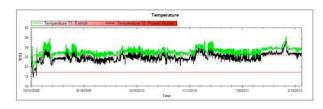


Diagram analyze Temperature °C

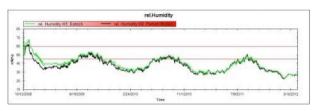


Diagram analyze rel. Humidity %

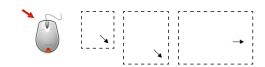
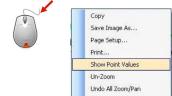


Diagram section - Zoom



Context menu with the right mouse button





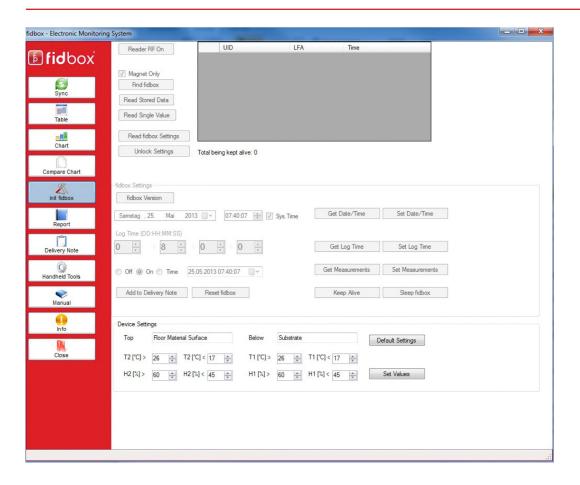


Continue with Close or make a new selection ...





# 6. Init-fidbox - fidbox search, read-out, and change setting



# Initializing the fidbox

The Init **fidbox** button includes a lot of options. You can read the **fidbox** measurement data via RF or magnetic search or call up already stored data.

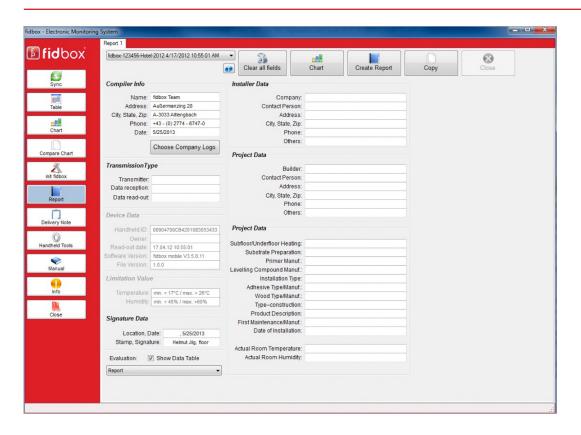
You can also check the settings of the **fidbox** or make required changes.

Since this is a very complex category, we have created a separate manual. Please click on the button "manual" and select "Setting **fidbox**" or use our seperate Manual 3 "Initializing the **fidbox**".





# 7. Report - Creating report using measuring data



# The creation of reports

After completing the Read-Out of a **fidbox** the measurement data can be immediately selected and evaluated in a report form by clicking on the program selection button "Report".

You can individually chose the scope of the report by date coverage limitations and evaluation report with or without individual measurement data.

The report output has a multiple of options to choose from e.g. it can be sent direct to the printer or as a PDF file.

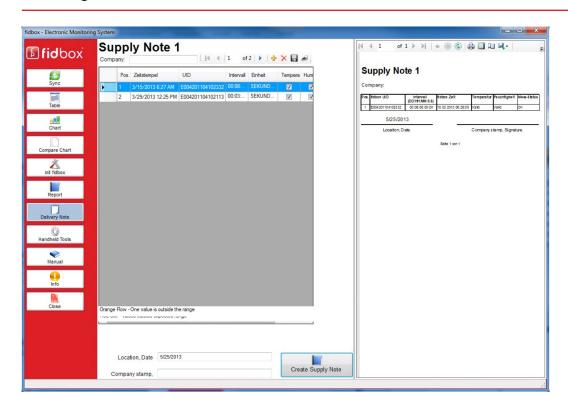
The reporting for **fidbox** measurement data files can be repeated as often as you wish – even with changed settings.

As this subject requires more detail you will find a separate manual for this purpose. Please click the button "Manual" and open "Creating Reports"





# 8. Consignment note



# **Delivery note-Supply note**

After the initialization of a **fidbox** is complete there is the possibility to create a delivery note.

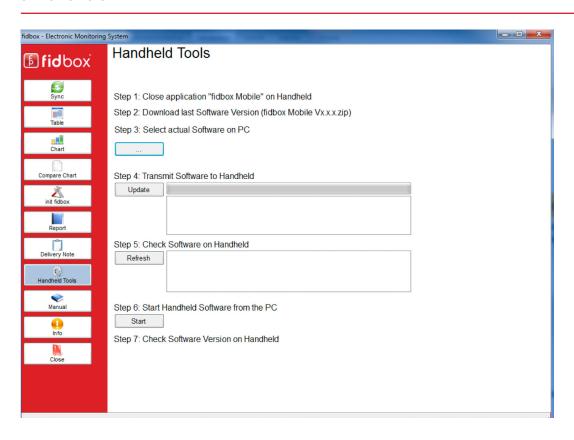
The programmed data and the respective **fidbox** serial number will be included in a so called supply note.

An explanation of how to prepare the delivery note can be found by clicking on the button "manual" and select the category "Initializing the **fidbox**" or our separate Manual 3 - Initializing the **fidbox** 





#### 9. Handheld

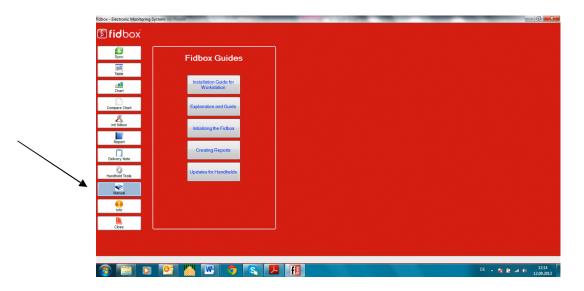


# Handheld

This function is intended for those who have their own handheld. It is used to synchronize your handheld with your computer. On the one hand it can update the software on your handheld and on the other hand it can transfer the read-out data of a **fidbox** using a handheld **fidbox** to the computer. For this subject, we have created a separate manual. To learn more, just click on the select button "Manual" and click again on "Updates for Handheld Software" or use our separate manual 5 software update for the handheld.



# 10. Manual - Detailed Explanations



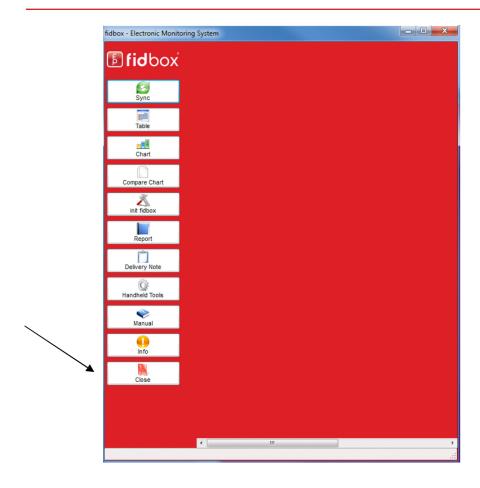
# **Manuals for detailed Information**

The section "Manual" will provide prompt access to this manual as well as other more detailed manuals regards specific subjects.





# 12. Close – Leave the program



# Leave the program

By clicking the "Close" button, the program will close immediately and you will return to your desktop.

Continue with Close or a make new selection ...





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Safe from the Ground up.