

INSTALLATION GUIDE USER MANUAL

HOLAC Line Tool TRANSFER

For HOLAC Line Tool V2 with Revision 328 and up

Version 4.0 dated **2023-07**

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Version control

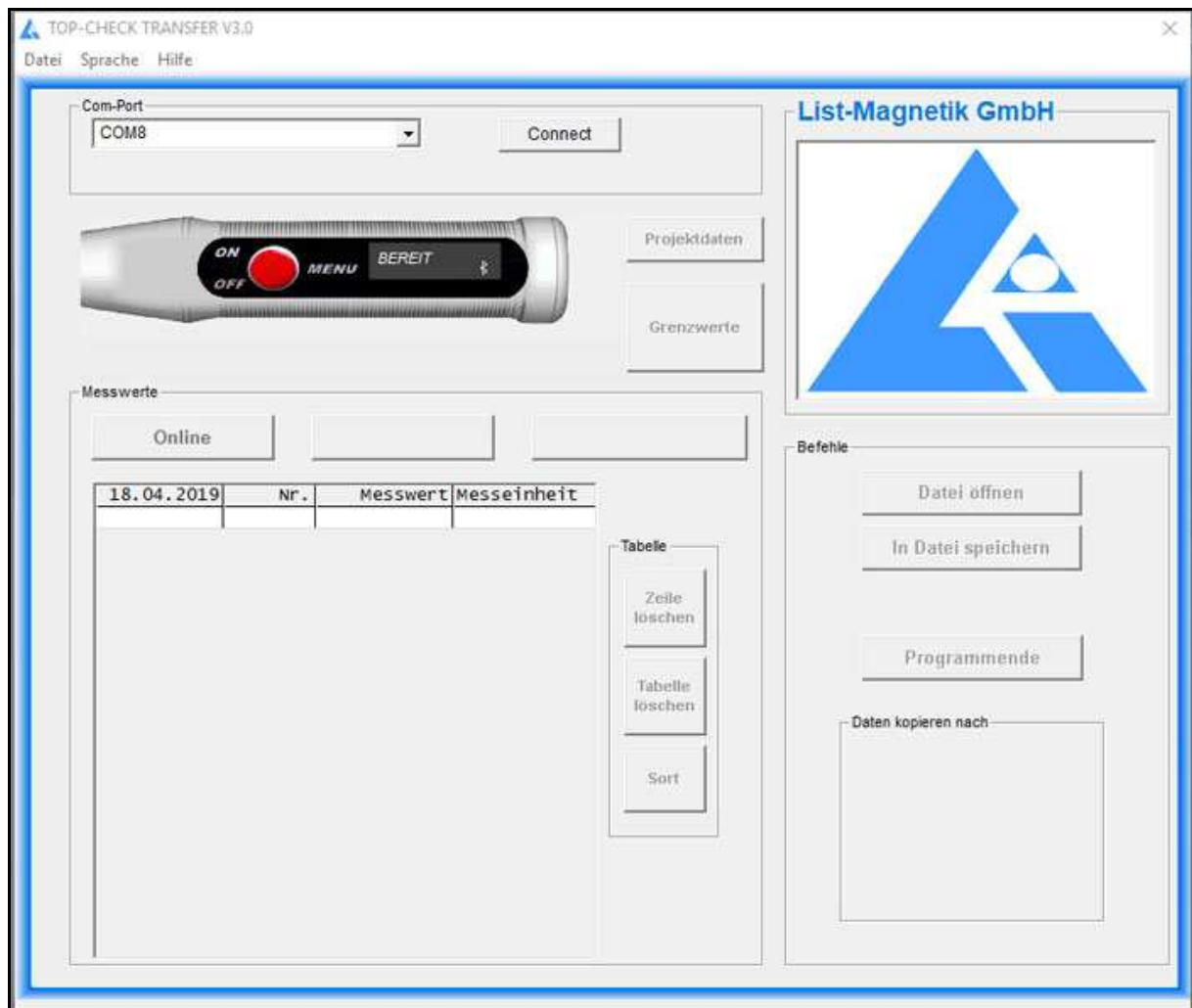
Version 4.0:

Switch of Bluetooth interface to Bluetooth Low Energy (BLE).

1. HOLAC LINE TOOL TRANSFER APPLICATION

At <https://www.list-magnetik.com/holac-applications> you can obtain the free of charge application **HOLAC Line Tool TRANSFER** to transfer data from your HOLAC Line Tool device to a Windows PC or laptop.

With HOLAC Line Tool TRANSFER you can measure online, or read the device's memory, you can print the results or transfer them to various applications like Microsoft Word or Microsoft Excel.



The stability of the Bluetooth connection is better the closer you hold the device to the PC or Bluetooth dongle.

If you have connection problems, please shorten the distance to 30 cm.

2. PREPARING BLUETOOTH CONNECTION

Does your PC / laptop have a built-in Bluetooth interface?

If yes, skip point 2a and continue at 2b.

INSTALLATION OF THE BLUETOOTH USB DONGLE



For HOLAC Line Tool a Bluetooth dongle is included as shown.

The additional installation of a driver software can be used for communication setup between HOLAC Line Tool and a Windows PC. Please check first, if the connection between HOLAC Line Tool and your PC via Bluetooth works without software installation, only by inserting the Bluetooth dongle.

With Windows 10/11, it is easily possible without further installation.

If you can't connect, perform the installation of the driver that can be obtained at **<https://www.list-magnetik.com/en/download-en>**.

INSTALLING THE APPLICATION

The installation package is called „HOLAC Line Tool TRANSFER_Vxx_Setup.exe“ xx = version number) and available for download at

<https://www.list-magnetik.com/holac-applications>

If your firewall or virus scanner prevents or disallows an installation, you can ignore these warnings. The installation packages are free from viruses and advertisements, they are only distributed via our homepage.

The default paths used during installation are Windows 10

C:\Program Files (x86)\Hochbach GmbH\HOLAC Line Tool TRANSFER

Constant program components

C:\ProgramData\Hochbach GmbH\HOLAC Line Tool TRANSFER

C:\Users\<>\AppData\Local\VirtualStore\ProgramData\Hochbach GmbH\HOLAC Line Tool TRANSFER

User-used and modified configuration data (COM port, language, limits, project data) and this manual

C:\Users\<>\AppData\Local\Hochbach GmbH\HOLAC Line Tool TRANSFER

User created measurement series

Specification of the label of the project data

3. FUNCTIONS

STEP 1: CONNECT



To select your device, the connection window will open.



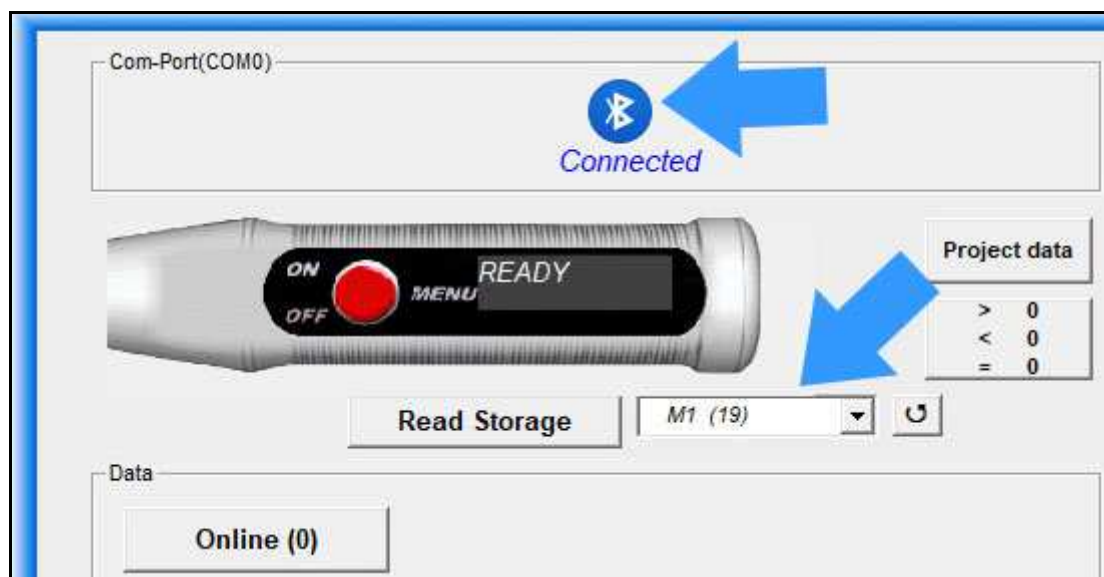
Select **Scan** to perform a search of all connected devices near your PC.

When you have detected your device, the MAC address can be found in the device under "System" in the menu, select it in the list and click **Connect** to establish a connection.



The device information is read in directly after the connection is established. The names and the fill levels of the memories are determined and made available in the selection box.

The left of the 2 buttons above the table is displayed with "Online".

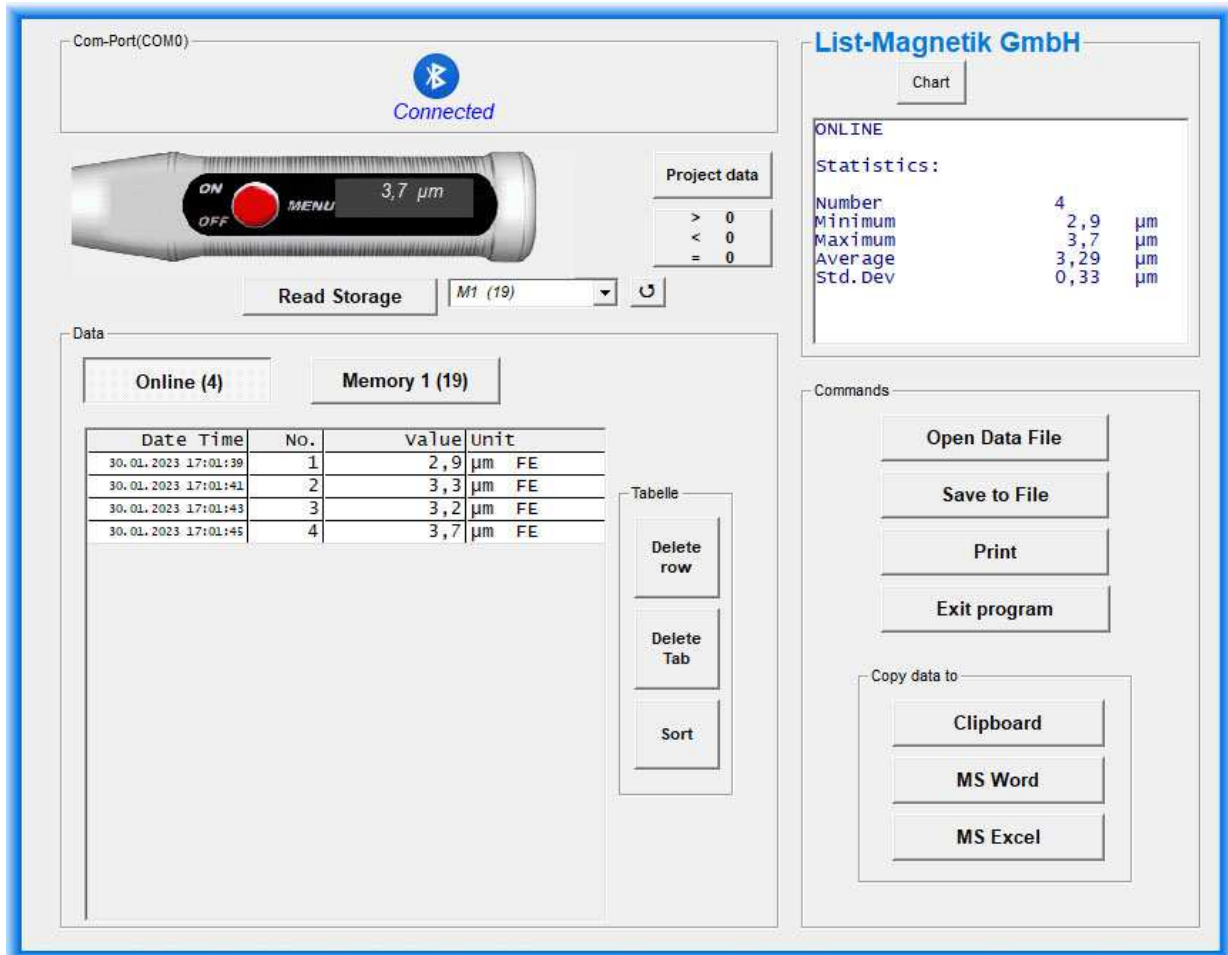


MEASURING ONLINE

Now you can start your work.

For example, you can directly perform online measurements.

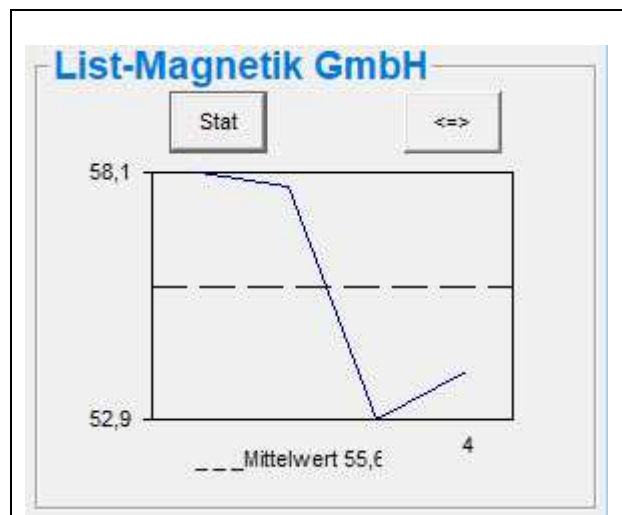
To do this, click on the "Online" button on the left above the measured value table.



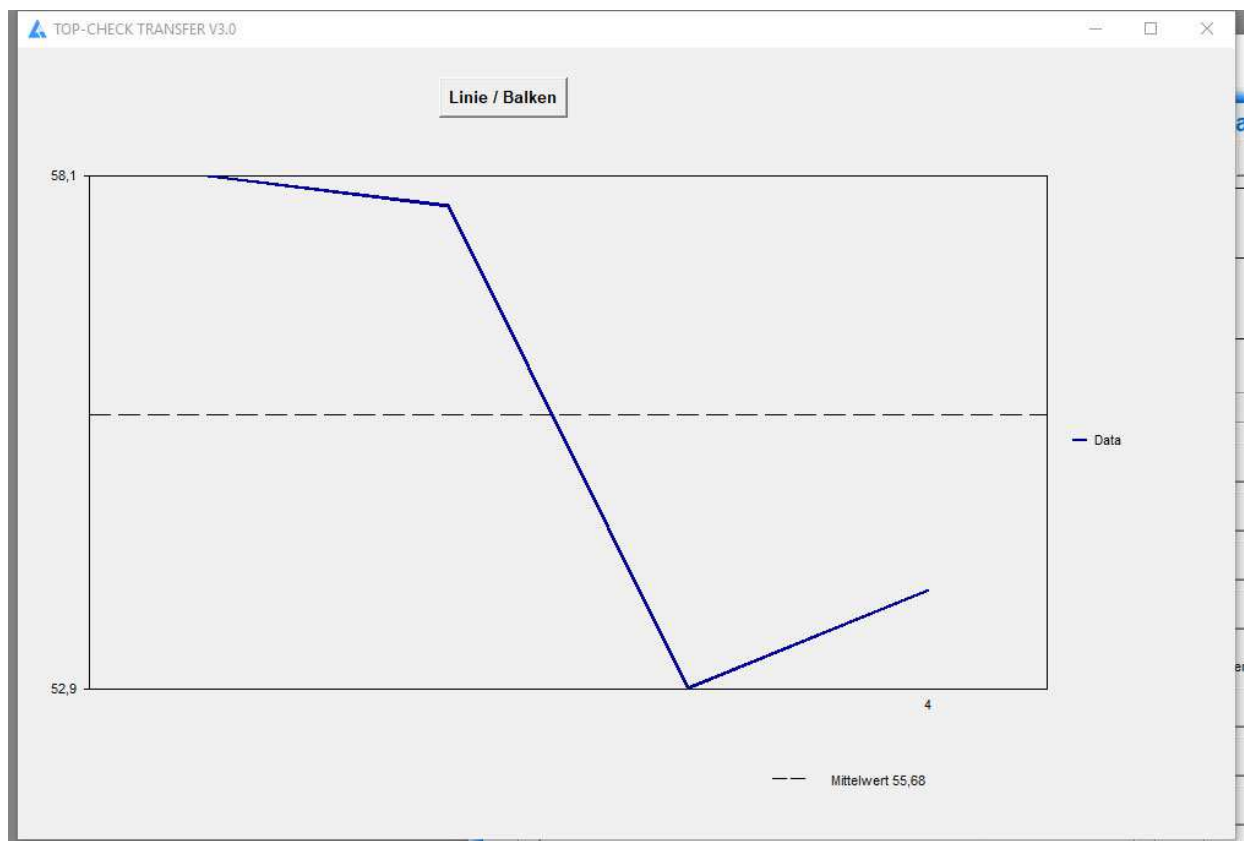
Statistical values are automatically generated from the measurements: Minimum, Maximum, Average (Mean) and Standard Deviation.

Note: The Standard Deviation is calculated with (n-1).

To toggle between the numeric statistic and a line diagram, please use the button **Chart** and **Stat**.

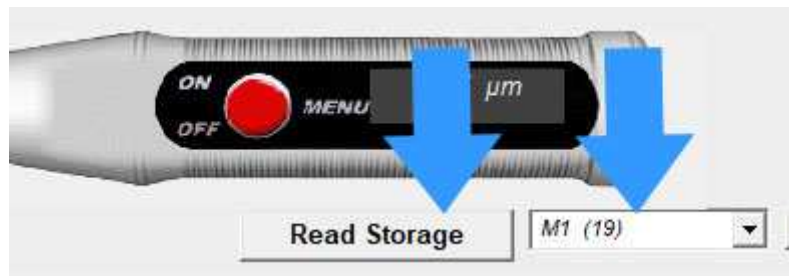


You can also switch to a larger view in the chart display with the button . There, the representation can be selected as a line or bar chart.



READ DATA FROM DEVICE

A selection menu allows you to specify which of the device memories you want to read in.



As long as the transfer is running all activities are blocked. The counter behind the title of the measurement series, counts the transferred measurements

Once the measurement series has been read, the buttons are active again and the statistical data is filled.

DELETE TAB, DELETE ROWS

The table of measured values can either be completely deleted or individual lines can be displayed. The statistics will be automatically corrected afterwards.

Note:

The data in the device will not be deleted.

By reading again from the device, the deleted values are added again.



Data

Online (0) Memory 1 (19)

Date Time	No.	Value	Unit
06.12.2022 16:12:43	1	48,7	µm FE
06.12.2022 16:12:43	2	48,1	µm FE
06.12.2022 16:12:45	3	48,3	µm FE
06.12.2022 16:12:46	4	47,7	µm FE
06.12.2022 16:12:48	5	48,1	µm FE
06.12.2022 16:12:50	6	47,9	µm
06.12.2022 16:12:53	7	48,2	µm
06.12.2022 16:12:55	8	0,0	µm FE
20.12.2022 10:12:07	9	0,0	µm FE
20.12.2022 10:12:12	10	93,2	µm
20.12.2022 10:12:17	11	93,4	µm FE

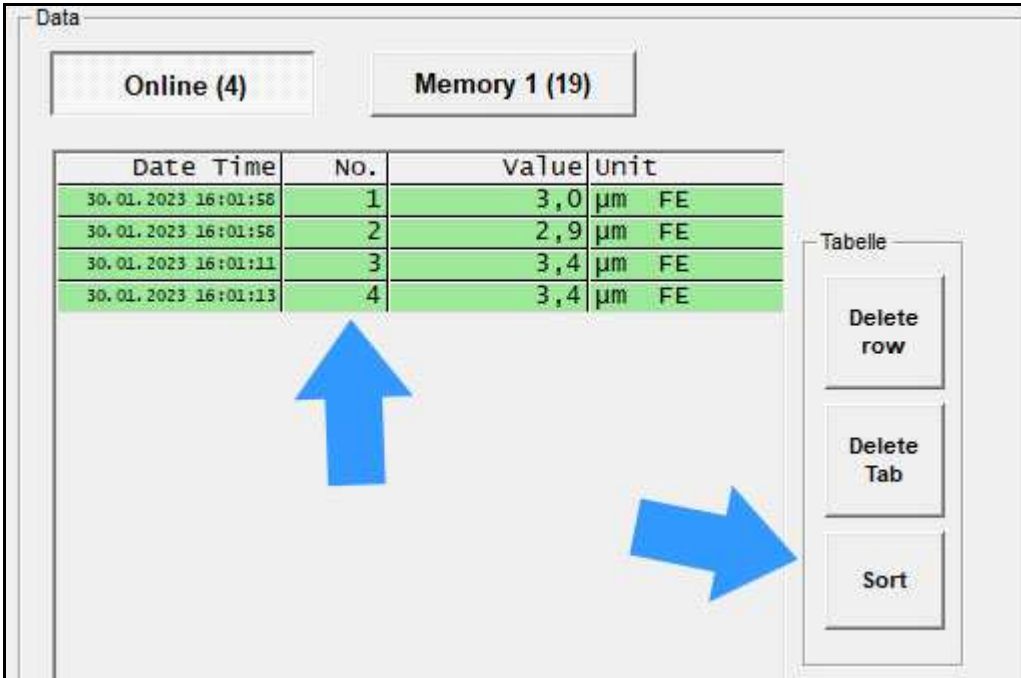
Tabelle

Delete row

Delete Tab

SORT TABLE

The tables with the measured values can be sorted in descending order from the last to the first one.



Data

Online (4) Memory 1 (19)

Date Time	No.	Value	Unit
30.01.2023 16:01:58	1	3,0	µm FE
30.01.2023 16:01:58	2	2,9	µm FE
30.01.2023 16:01:11	3	3,4	µm FE
30.01.2023 16:01:13	4	3,4	µm FE

Tabelle

Delete row

Delete Tab

Sort

PROJECT DATA

HOLAC Line Tool TRANSFER allows you to edit project data for a measurement series. This project data will then be provided during printing, when transferring to Microsoft Word or Microsoft Excel, so that you can document the series of measurements.

You have a date / time information and 6 free text fields as project data available.

The free text fields can be defined by the user. In the configuration file "Projekt.ini" on the user data directory („C:\Users\<Your Name>\AppData\Local\Hochbach GmbH\HOLAC Line Tool TRANSFER"), you can define 6 fixed terms in German and English for yourself.

Example:

```
Projekt;Project;  
Ort;Location;  
ID-Nummer;ID No.;  
Farbe;Color;  
Kunde;Customer;  
Rechnungsnr;Invoice No.;
```

The screenshot shows a software window titled "Projektdaten". Inside, there are several input fields and buttons. The "Datum/Uhrzeit" field is split into two parts: a date dropdown showing "03.04.2019" and a time spinner showing "11:00:00". Below this are six text input fields labeled "Projekt", "Ort", "ID-Nummer", "Farbe", "Kunde", and "Rechnungsnr". To the right of these fields is a box labeled "Befehle" containing two buttons: "Speichern" and "Löschen".

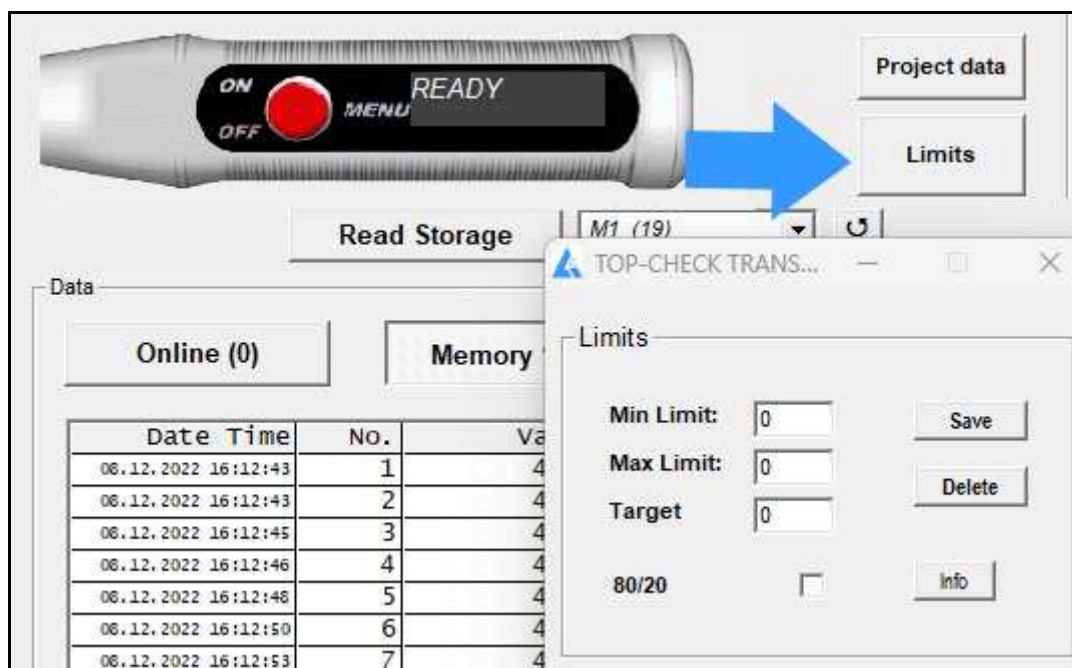
LIMITS, 80/20 RULE

With limit values, an evaluation of your measured values after falling below or above a corridor is possible. If you have specified limit values, the measured values are highlighted in green (= in the corridor) or red (= outside). In addition, a target can be preset. The limits and the target are displayed in the charts (line or bar).

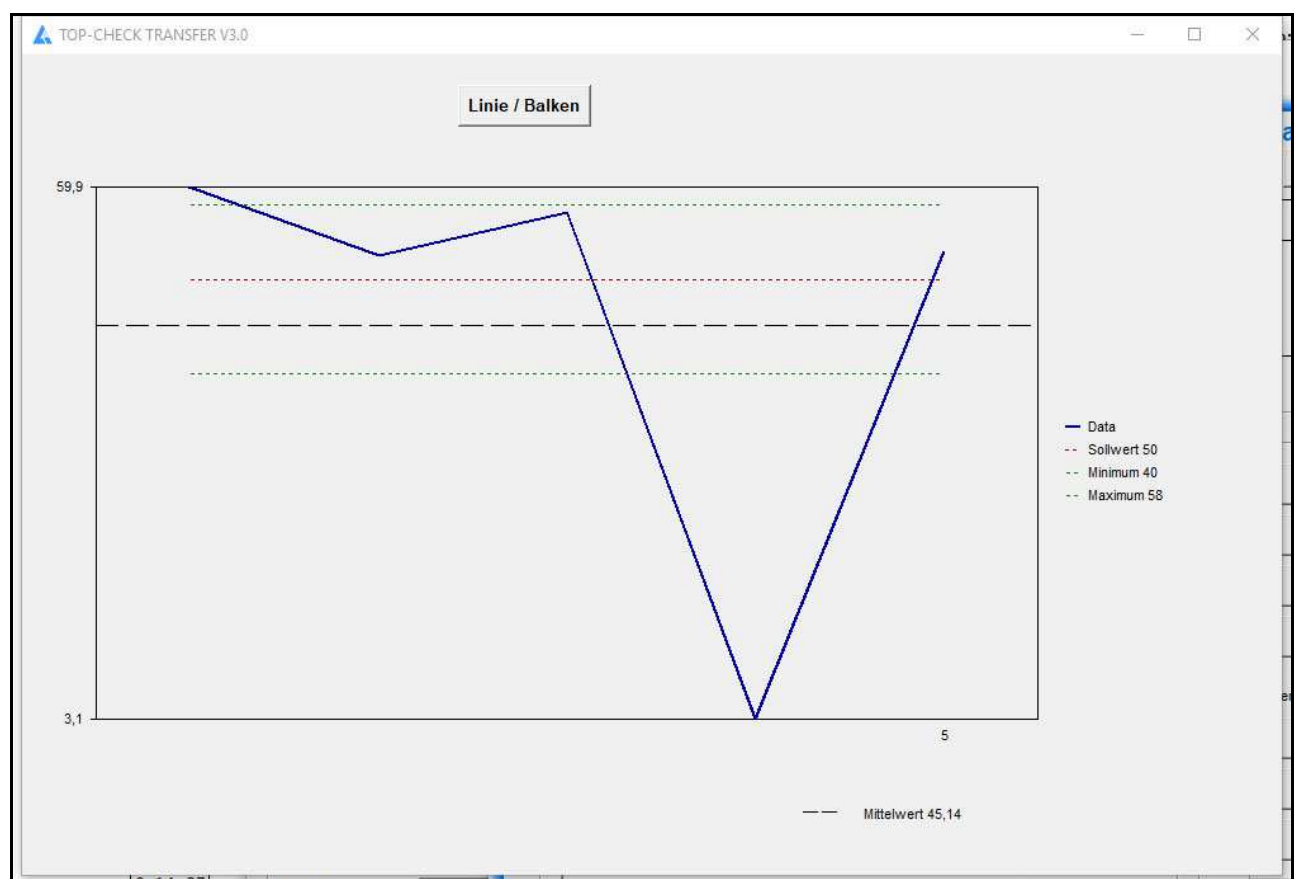
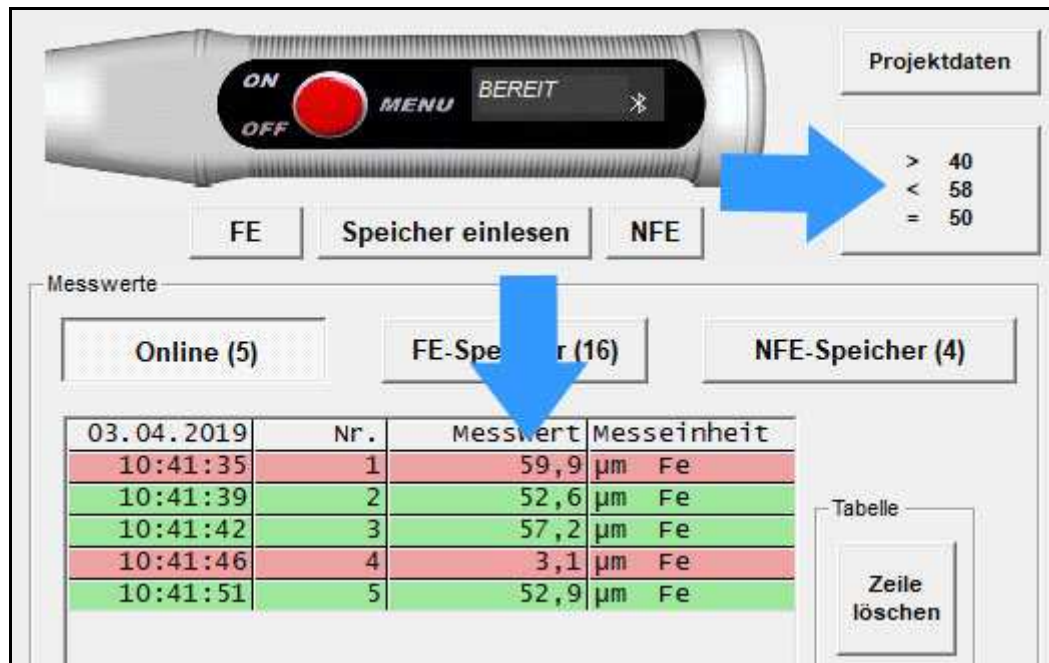
The implementation of the **80/20 rule according to ISO 19840** for the corrosion protection of steel structures by coating systems can be switched on and off separately. If the 80/20 rule is applied, the minimum limit is automatically set to 80% of the setpoint.

As a result, the color orange is then used for measured values in the corridor between the minimum limit (80%) and the target value (100%). An evaluation is carried out in the statistics window. The series of measurements is "OK" if (every single point must be fulfilled)

- No measured value is above the max limit
- No measured value is below the min limit
- The mean value of the measured values is not below the target value
- Only a maximum of 20% of the measured values are below the target value (orange cases)



Example from TOP-CHECK TRANSFER: Input of min limit = 40, max limit = 58.

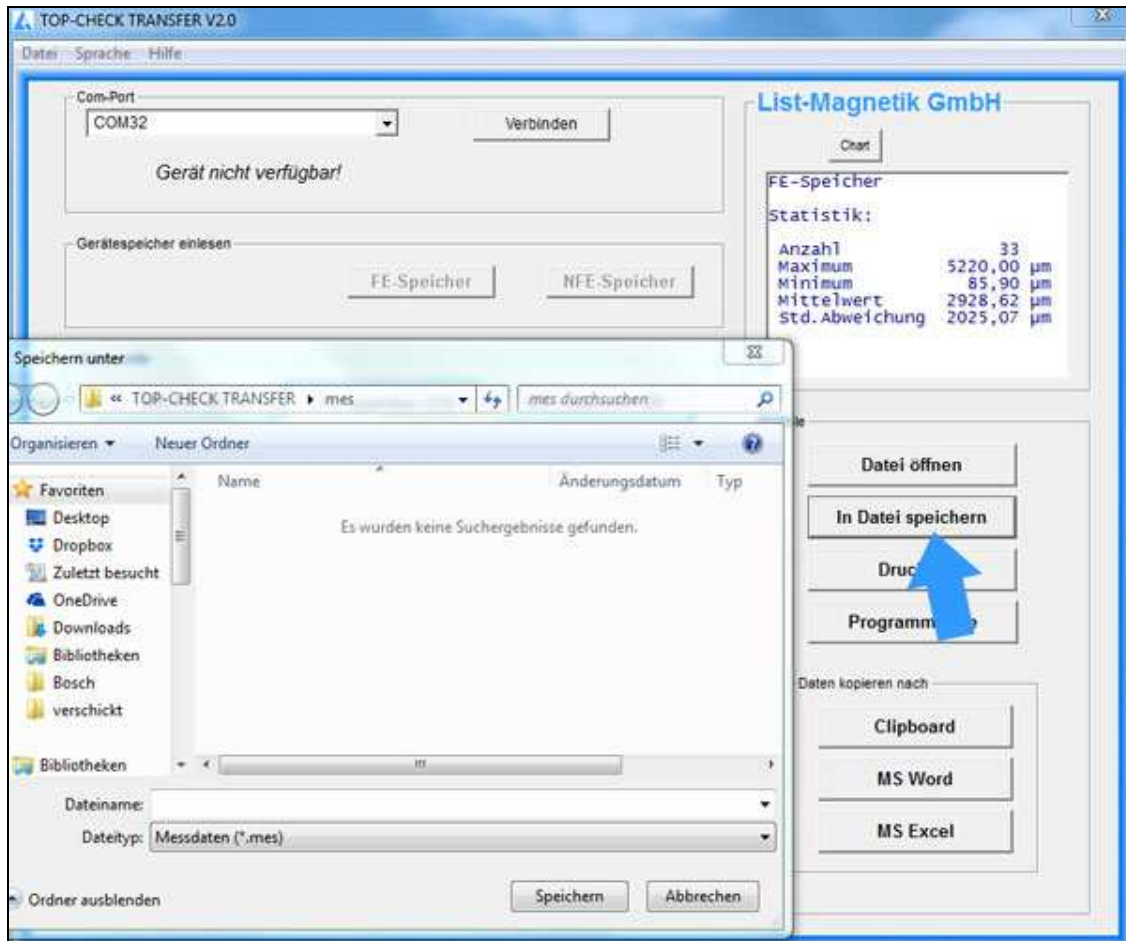


Representation of the limits and the target in the line chart

OUTPUT: FILE, PRINTER, APPLICATIONS

All examples show coating thickness measuring results, and work identically for magnetic field meters and permeability meters.

The measurement series can be stored in a file.
Files of type ".mes" are readable with a text editor.



With the button "Open Data File" such a series of measurements can be read again from file, for example to print it or to transfer to Excel.

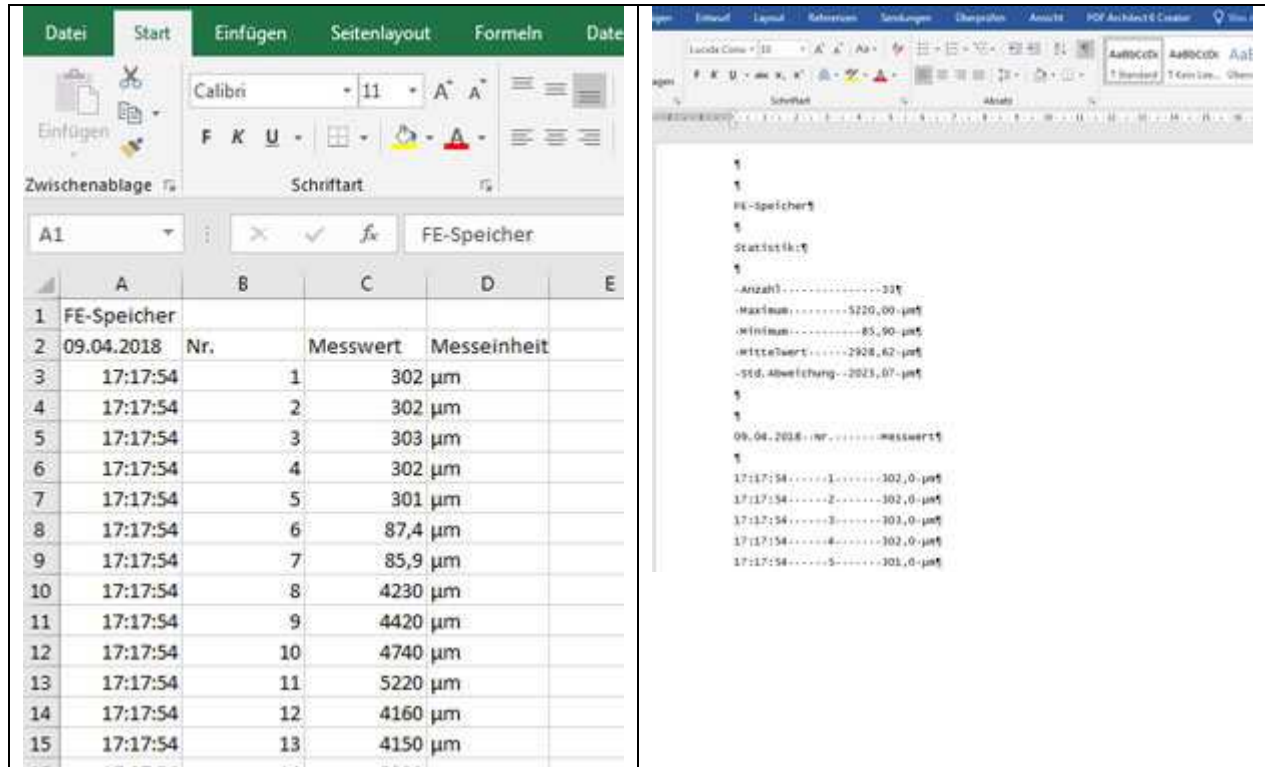
FE-Speicher		
Statistik:		
Anzahl	33	
Maximum	5220,00	µm
Minimum	85,90	µm
Mittelwert	2928,62	µm
Std. Abweichung	2025,07	µm
09.04.2018 Nr. Messwert		
17:17:54	1	302,0 µm
17:17:54	2	302,0 µm
17:17:54	3	303,0 µm
17:17:54	4	302,0 µm
17:17:54	5	301,0 µm
17:17:54	6	87,4 µm
17:17:54	7	85,9 µm
17:17:54	8	4230,0 µm
17:17:54	9	4420,0 µm
17:17:54	10	4740,0 µm

Example of a print output via button **Print**

Via Clipboard you can hand over the measuring series to subsequent applications.

The Buttons **MS Word** and **MS Excel** only will work if the named Microsoft Office components are installed, but not with Open Office.

When transferring to Excel, you have the choice of outputting the data as a table or, in addition, graphically as a chart.



The screenshot shows the Microsoft Excel interface. The main window displays a table with the following data:

	A	B	C	D	E
1	FE-Speicher				
2	09.04.2018	Nr.	Messwert	Messeinheit	
3	17:17:54	1	302	µm	
4	17:17:54	2	302	µm	
5	17:17:54	3	303	µm	
6	17:17:54	4	302	µm	
7	17:17:54	5	301	µm	
8	17:17:54	6	87,4	µm	
9	17:17:54	7	85,9	µm	
10	17:17:54	8	4230	µm	
11	17:17:54	9	4420	µm	
12	17:17:54	10	4740	µm	
13	17:17:54	11	5220	µm	
14	17:17:54	12	4160	µm	
15	17:17:54	13	4150	µm	

On the right side, a summary statistics pane is visible, showing the following data:

FE-Speicher
Statistik:
Anzahl: 13
Maximum: 5220,00 µm
Minimum: 85,90 µm
Mittelwert: 2928,62 µm
Std. Abweichung: 2023,07 µm

Below the statistics, a list of individual measurements is shown:

09.04.2018, Nr.: Messwert
17:17:54: 1: 302,0 µm
17:17:54: 2: 302,0 µm
17:17:54: 3: 303,0 µm
17:17:54: 4: 302,0 µm
17:17:54: 5: 301,0 µm

OPEN DATA FILE

With then "Open Data File" button you can read in a saved data file again.

For example, you can read in the automatically generated online measurement series after a cancellation.

LANGUAGE AND HELP

The language can be switched between German and English in the upper menu bar.

In the Help menu, the manual can be opened in PDF format.

Under "Info" your device data (type, firmware version, MAC address) are visible.

KEY EVENTS

REAL TIME DATA TRANSFER TO THIRD PARTY APPLICATIONS

With the "Keyboard Events" function, additional output can be made to another application in real time for online measurement. For example, this can be a CAQ system. The function can also be tested with the Windows text editor (notepad.exe).

To activate the function, select the "Keyboard Events" tab in the header. An input window appears.

The screenshot shows a Windows-style dialog box titled "MEGA-CHECK TRANSFER V3.1". The main heading is "Tastatur Events senden". Below it, a text label reads "Online Wert wird automatisch als Tastatur Event an andere Anwendung versendet". There is a checkbox labeled "Funktion aktivieren" which is checked. Below that is a text field labeled "Anwendung an die gesendet wird" containing the path "C:\Windows\notepad.exe". A section titled "Werte inklusive" contains four checkboxes: "Nr", "Datum", "Messeinheit", and "Material", all of which are checked. Another section titled "Zeilenende Zeichen" contains two radio buttons: "Keins" and "Enter", with "Enter" being selected. At the bottom is an "OK" button.

If you activate the function (by ticking the box), you must also select an application that is to receive the online data. To do this, look for the "EXE", the executable program on your PC.

When outputting, you can transfer the number of the measured value, the measurement date, the measuring unit and the base material (FE / NFE). Make your choice by ticking the appropriate box. You can also select whether the entry is limited by the end of a line or not.

Important: The third-party application to which the data is transferred is started at the beginning with HOLAC Line Tool TRANSFER. It shouldn't have started before.