

INSTALLATION GUIDE USER MANUAL

MEGA-CHECK TRANSFER

For MEGA-CHECK Master and MEGA-CHECK Profi with firmware version 15.1 and up

Version 3.0 dated **2019-04**



List-Magnetik Dipl.-Ing. Heinrich List GmbH

D-70771 Leinfelden-Echterdingen Max-Lang-Str. 56/2

Fon: + 49 (711) 903631-0 Fax: + 49 (711) 903631-10

Internet: <https://www.list-magnetik.com>

E-mail: info@list-magnetik.de



CONTENTS

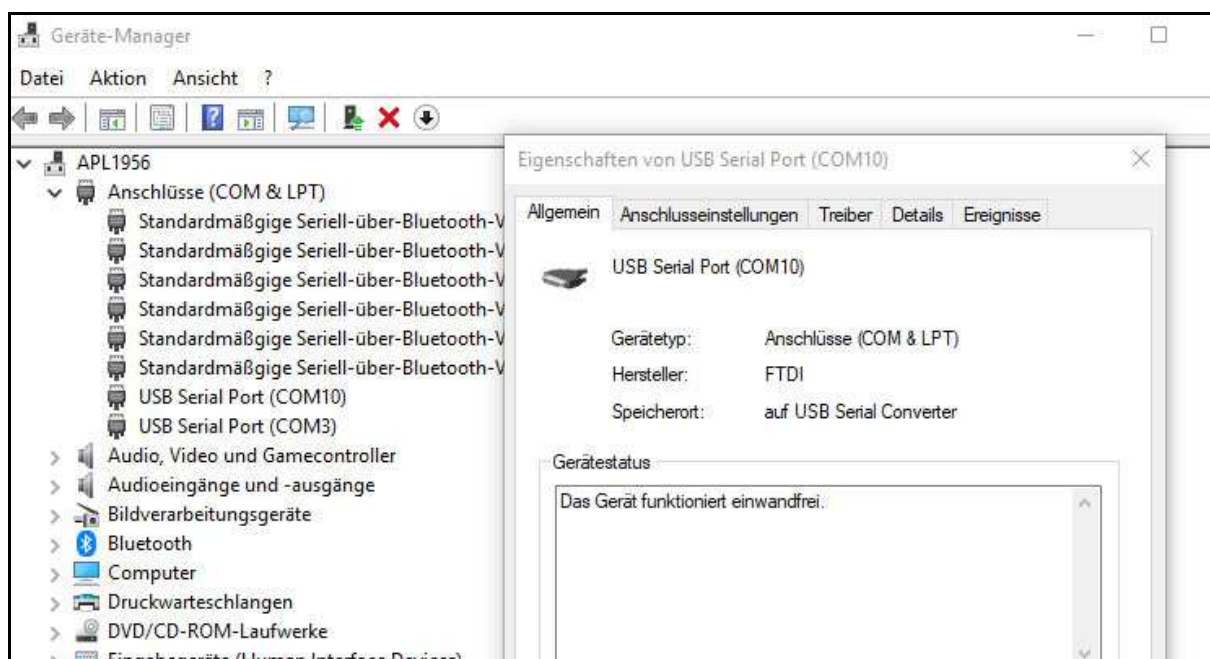
MEGA-CHECK TRANSFER (2019-04)

1. MEGA-CHECK TRANSFER Application.....	2
2. Detecting the COM-Port for cable	3
3. Installing the Application.....	4
4. Functions	5
Step 1: Connect.....	5
Measuring Online.....	7
Read data from device	9
Delete Tab, Delete Rows	10
Sort Table	10
Project data.....	11
Limits.....	12
Output: File, Printer, Applications.....	14
Open Data File	15
Language and Help.....	15

2. DETECTING THE COM-PORT FOR CABLE

After plugging in the USB cable into MEGA-CHECK and PC, a so-called COM port is formed. This assignment remains permanent. Before starting the application MEGA-CHECK TRANSFER you need to know what this port is called.

In the device manager of Windows you will find a USB serial port with manufacturer "FTDI". That's the right COM port. You need the assigned COM port number when starting the application MEGA-CHECK TRANSFER.



3. INSTALLING THE APPLICATION

The installation package is called „MEGA-CHECK TRANSFER_Vxx_Setup.exe“ (xx = version number) and available for download at <https://www.list-magnetik.com/software>

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)\List-Magnetik\MEGA-CHECK TRANSFER

Constant program components

C:\ProgramData\List-Magnetik\MEGA-CHECK TRANSFER

**C:\Users\<>\AppData\Local\VirtualStore\ProgramData\List-Magnetik
\MEGA-CHECK TRANSFER**

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

C:\Users\<>\AppData\Local\List-Magnetik\MEGA-CHECK TRANSFER

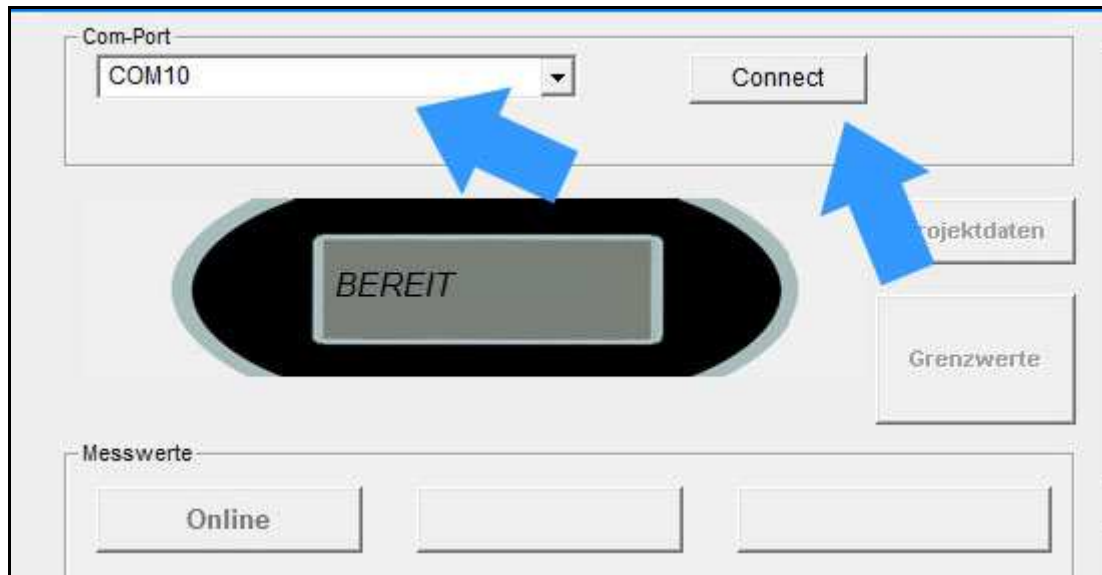
User created measurement series

Specification of the label of the project data

4. FUNCTIONS

STEP 1: CONNECT

To connect, you need the number of the COM port, which you have determined in point 2. Your MEGA-CHECK must be switched on.



After successful connection, the name changes to "Connected" and the selection box for the COM port becomes invisible. The selected and connected COM port is now in the frame above.

The currently selected device storage is read in directly after establishing the connection. The name and number of the memory are shown in the column header. The left of the 2 buttons above the table is shown as "Online".

If you are in the Scan Measurement of the MEGA-CHECK Master, this scan memory with internal memory number 96 will be read as the current memory.

Com-Port(COM10)

Verbunden

BEREIT

Speicher einlesen

Projektdatei

> 50,0
< 100,0
= 60,0

Messwert

Online

Speicher8 (7)

25.04.2019	Nr.	Messwert	Messeinheit
18:04:11	1	57,5	µm FE
18:04:12	2	58,0	µm FE

Tabelle

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.

TOP-CHECK TRANSFER V3.0

Datei Sprache Hilfe

Com-Port(COM8)

Verbunden

Projektdaten

Grenzwerte

Messwerte

Online (4) FE-Speicher (8) NFE-Speicher (4)

03.04.2019	Nr.	Messwert	Messeinheit
09:11:00	1	58,1	µm Fe
09:11:04	2	57,8	µm Fe
09:11:07	3	52,9	µm Fe
09:11:10	4	53,9	µm Fe

Tabelle

Zeile löschen

Tabelle löschen

Sort

List-Magnetik GmbH

Chart

ONLINE

Statistik:

Anzahl 4

Minimum 52,90 µm

Maximum 58,10 µm

Mittelwert 55,68 µm

Std. Abweichung 2,66 µm

Befehle

Datei öffnen

In Datei speichern

Drucken

Programmende

Daten kopieren nach

Clipboard

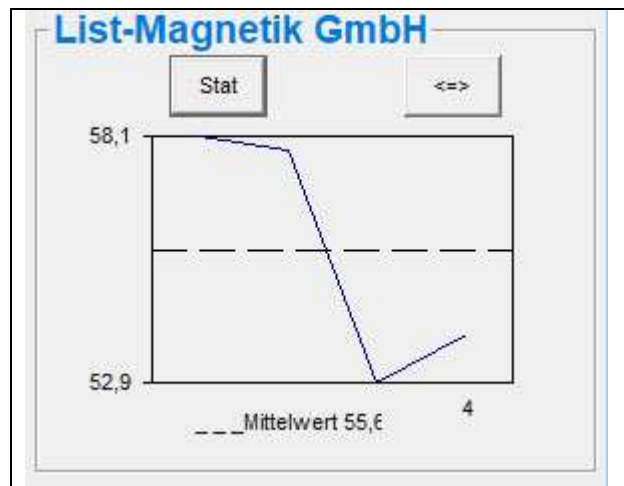
MS Word

MS Excel

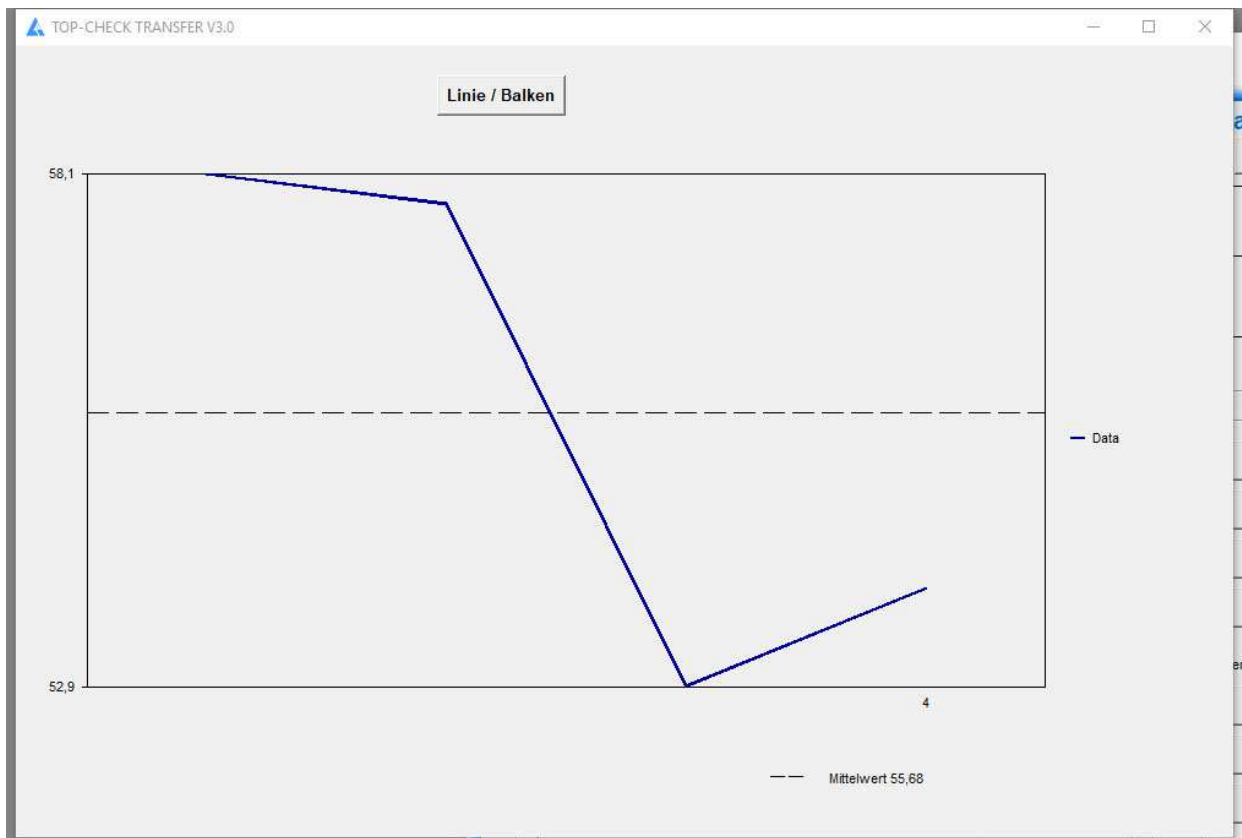
Statistical values are automatically generated from the second measurement: Minimum, Maximum, Average (Mean) and Standard Deviation.

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.

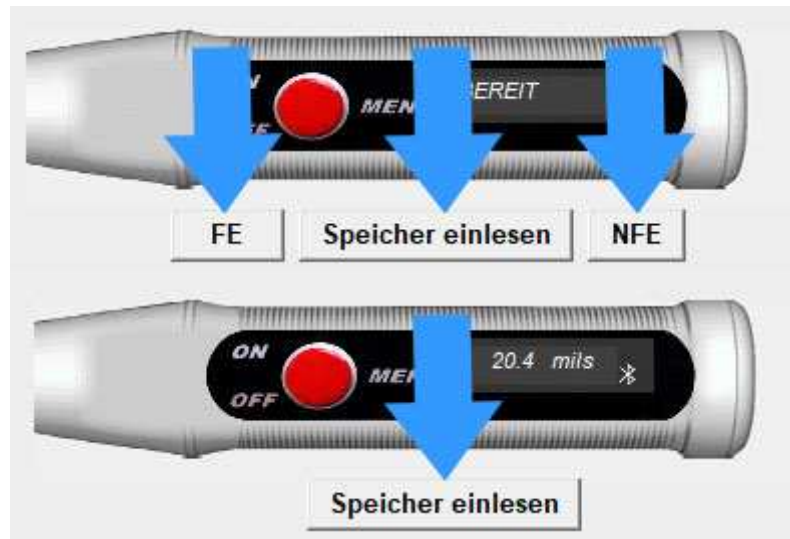


Note:

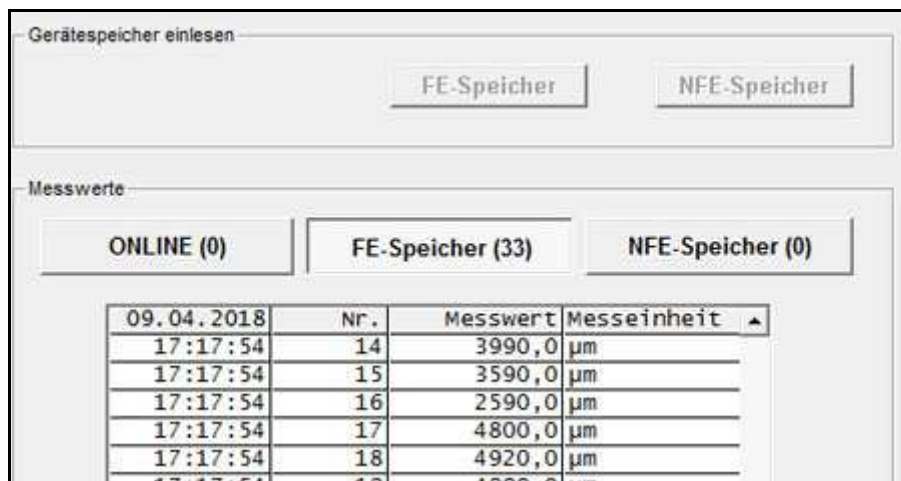
The online measurement series is saved in a separate file "online.mes". If you experience problems during the measurement, e.g. you get a program crash, you can load your measurement data from this file again. See chapter "Open file".

READ DATA FROM DEVICE

If you already have measured values in the device memory, these can be read from the device by the application. You can read it again at any time.



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.

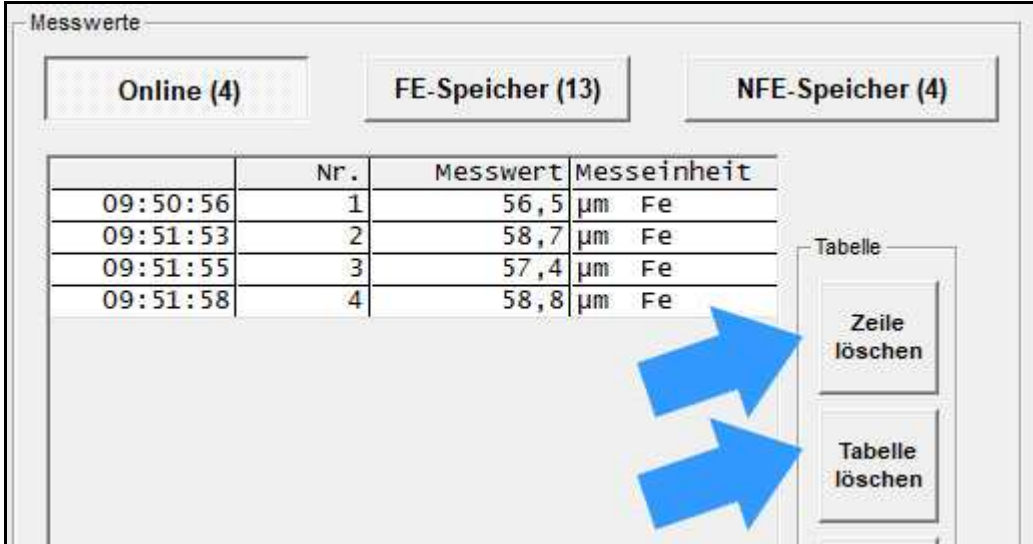
DELETE TAB, DELETE ROWS

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.



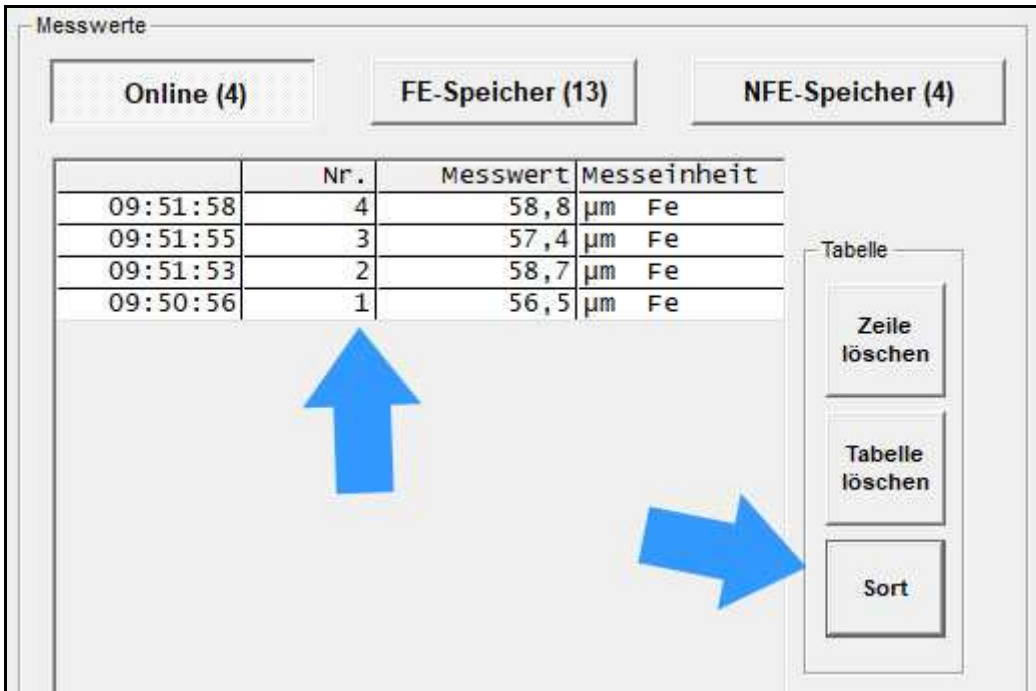
The screenshot shows the 'Messwerte' interface with three tabs: 'Online (4)', 'FE-Speicher (13)', and 'NFE-Speicher (4)'. The 'Online (4)' tab is active, displaying a table with the following data:

	Nr.	Messwert	Messeinheit
09:50:56	1	56,5	µm Fe
09:51:53	2	58,7	µm Fe
09:51:55	3	57,4	µm Fe
09:51:58	4	58,8	µm Fe

To the right of the table is a 'Tabelle' panel containing two buttons: 'Zeile löschen' and 'Tabelle löschen'. Two blue arrows point from the table area towards these buttons.

SORT TABLE

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



The screenshot shows the 'Messwerte' interface with the same three tabs. The 'Online (4)' tab is active, displaying a table with the following data, sorted in descending order of measurement time:

	Nr.	Messwert	Messeinheit
09:51:58	4	58,8	µm Fe
09:51:55	3	57,4	µm Fe
09:51:53	2	58,7	µm Fe
09:50:56	1	56,5	µm Fe

To the right of the table is a 'Tabelle' panel containing three buttons: 'Zeile löschen', 'Tabelle löschen', and 'Sort'. A blue arrow points from the table area towards the 'Sort' button.

PROJECT DATA

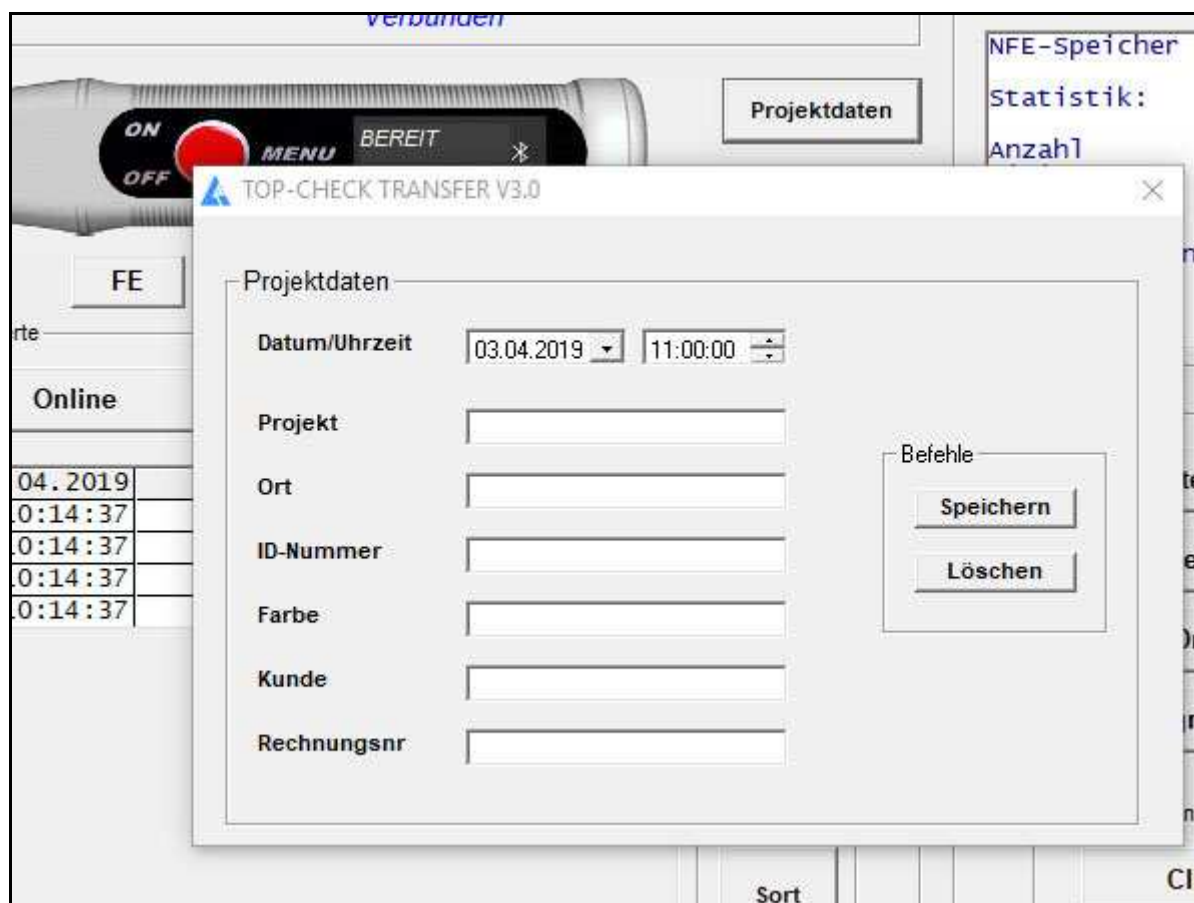
MEGA-CHECK TRANSFER allows you to edit project data for a measurement series. This project data will then be provided during printing, when transferring to Microsoft Word or Microsoft Excel, so that you can document the series of measurements.

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\\AppData\Local>List-Magnetik\MEGA-CHECK TRANSFER"), you can define 6 fixed terms in German and English for yourself.

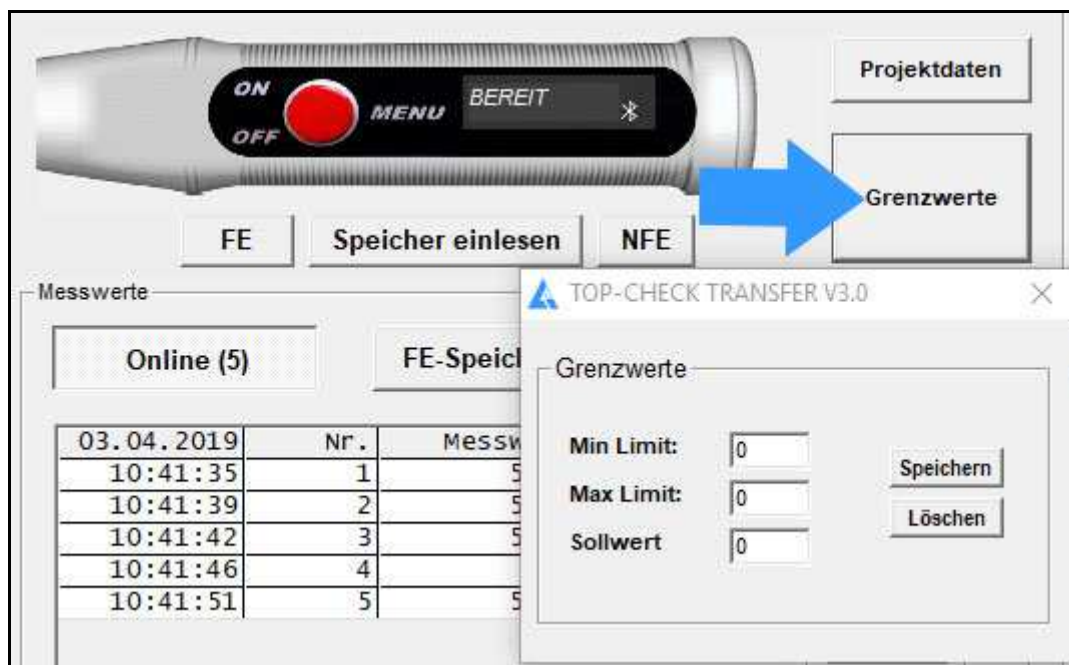
Example:

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

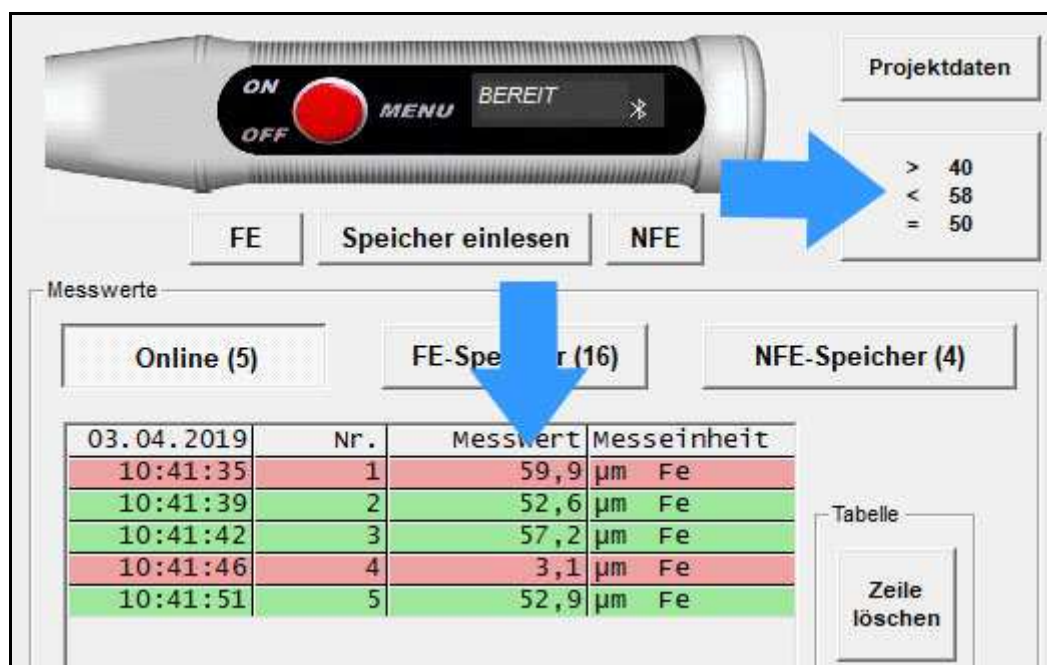


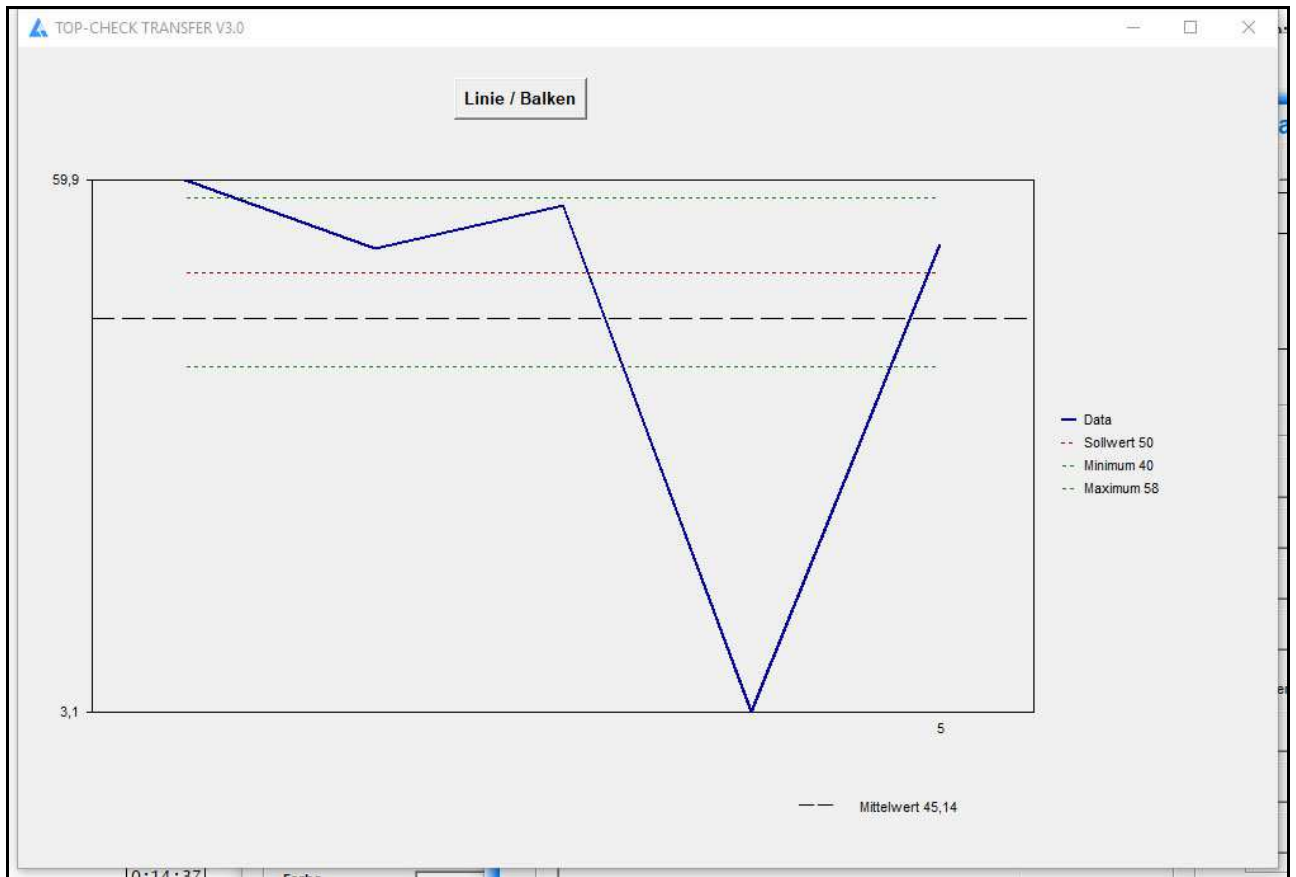
LIMITS

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).



Example: Input of min limit = 40, max limit = 58.

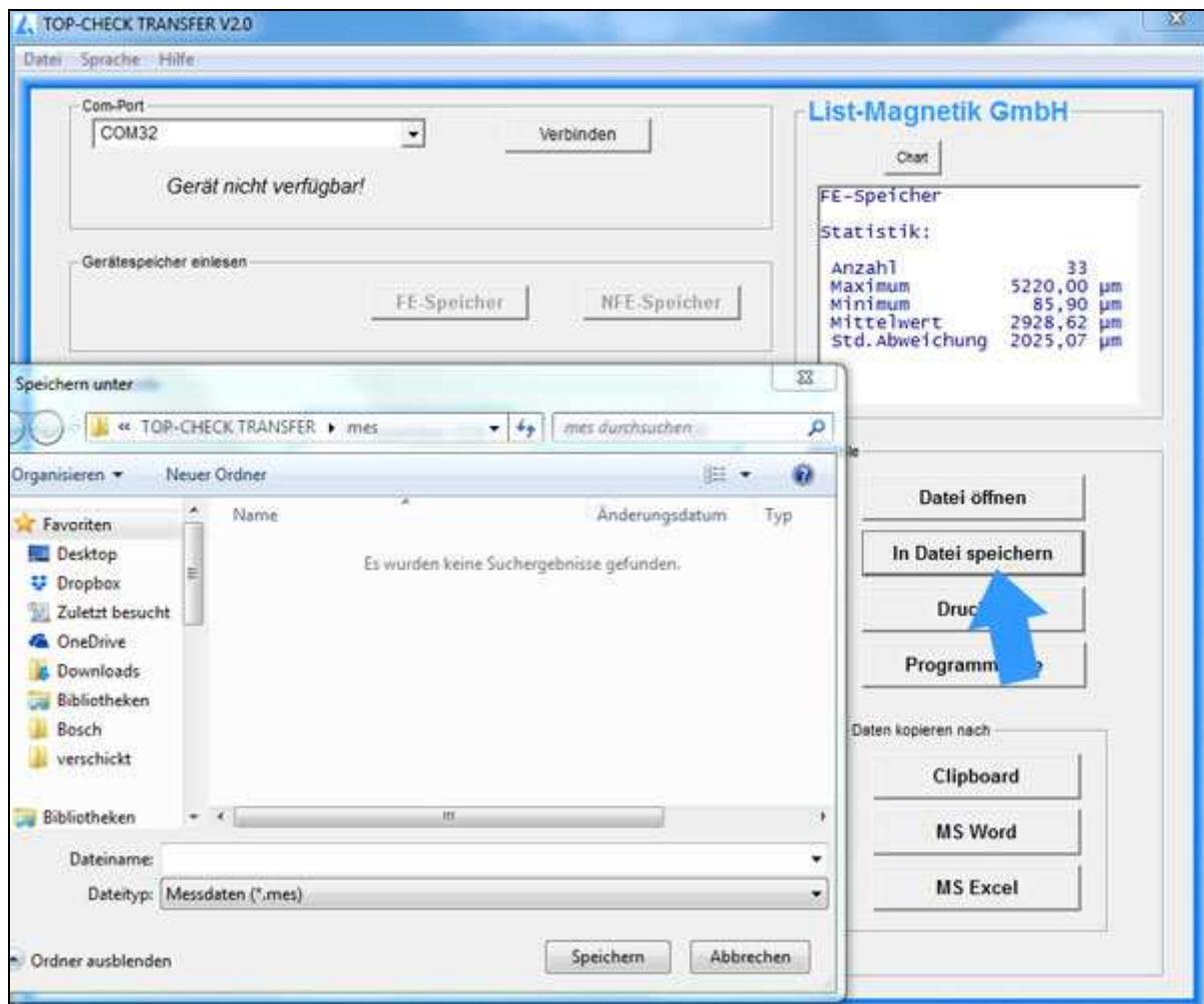




Representation of the limits and the target in the line chart

OUTPUT: FILE, PRINTER, APPLICATIONS

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.

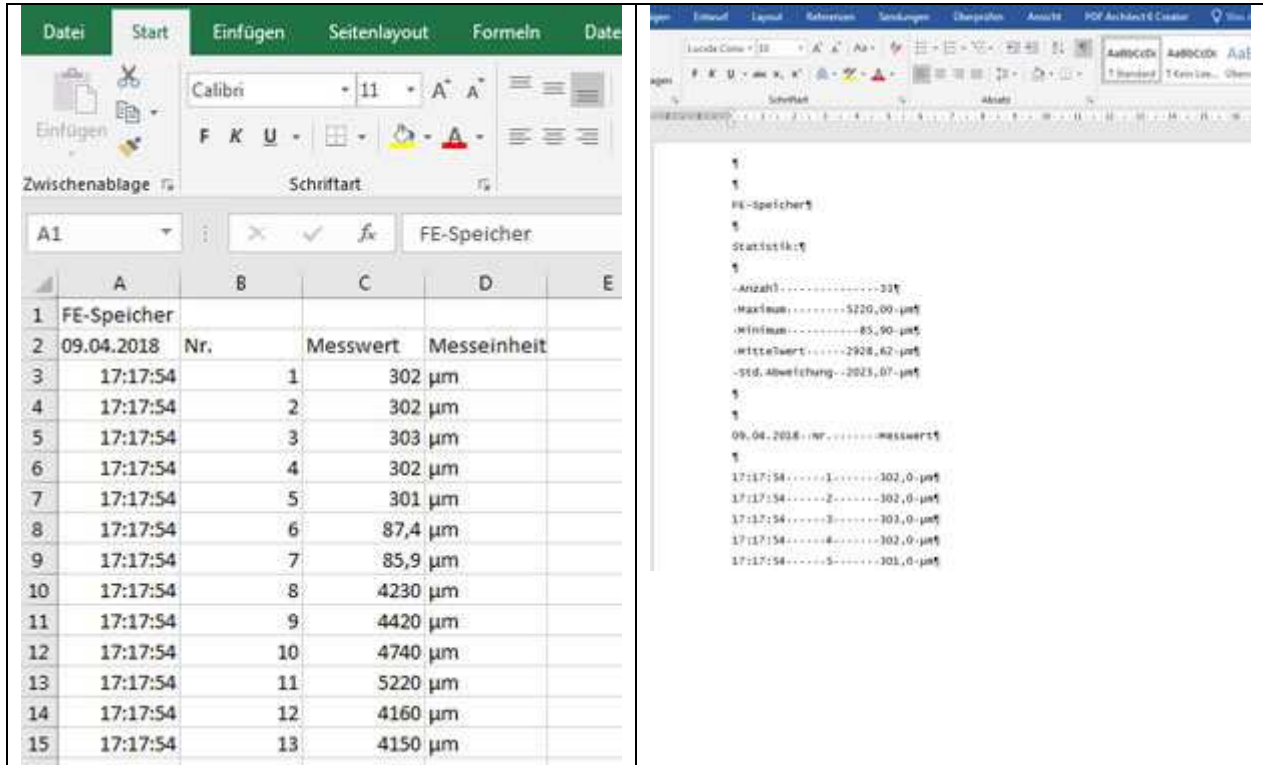
FE-Speicher		
Statistik:		
Anzahl		33
Maximum	5220,00	µm
Minimum	85,90	µm
Mittelwert	2928,62	µm
Std.Abweichung	2025,07	µm
09.04.2018	Nr.	Messwert
17:17:54	1	302,0 µm
17:17:54	2	302,0 µm
17:17:54	3	303,0 µm
17:17:54	4	302,0 µm
17:17:54	5	301,0 µm
17:17:54	6	87,4 µm
17:17:54	7	85,9 µm
17:17:54	8	4230,0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



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.