INSTALLATION GUIDE USER MANUAL

MP-800 TRANSFER

For MP-800 with firmware version 8.1 and up

Version 2.4 dated 2018-10



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1. MP-800 TRANSFER APPLICATION

At <u>www.list-magnetik.com</u> in the "Download" area you can obtain the free of charge application **MP-800 TRANSFER** to transfer data from you MP-800 device to a Windows PC or laptop.

With MP-800 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.

| Com-Port | List-Magnetik GmbH |
|-------------------------------------|-----------------------|
| COM38 Connect | |
| | |
| Gerätesneicher | |
| Gerätespeicher | |
| | |
| Messwerte | |
| Online Speicher (0) | |
| | Befehle |
| 10.08.2018 Nr. Messwert Messeinheit | Datei öffnen |
| | In Datei speichern |
| | |
| | Burning |
| | Programmende |
| | - Daten kopieren nach |
| | |
| | |



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

If you face 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.





For MP-800 a Bluetooth dongle is included as shown.

The additional installation of a driver software can be used for communication setup between MP-800 and a Windows PC. Please check first, if the connection between MP-800 and your PC via Bluetooth works without software installation, only by inserting the Bluetooth dongle.

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

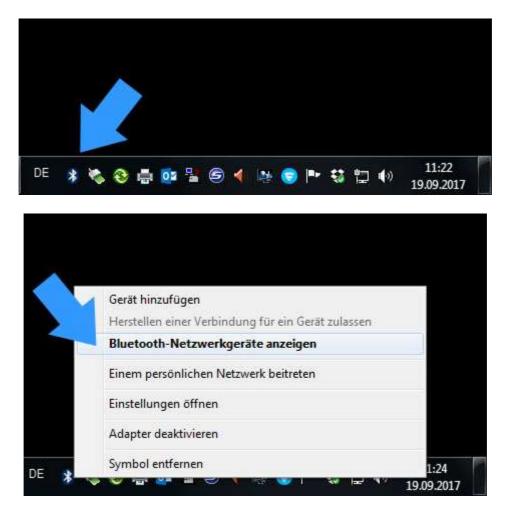
The file is named BCM20702 _..., depending on the version of your Windows operating system. It is available for Windows XP, Win 7, Win 8 or Win 10.

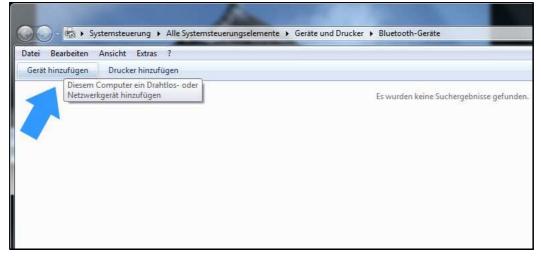
B) PAIRING MP-800

Your MP-800 device must be paired with the PC.

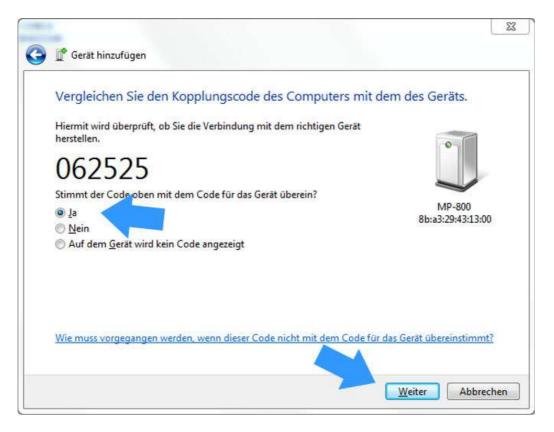
For this purpose, the coupling must be executed on both devices.

The function **SETUP / BLUETOOTH / ON** must be executed at the MP-800 device, and afterwards a device search in the Bluetooth menu on the PC.





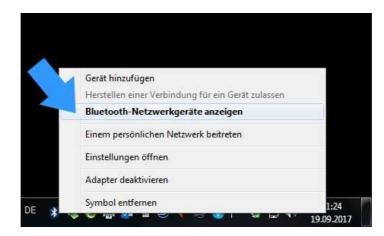
| Sie ein Gerät aus, das dies ite werden weiterhin gesucht und a | em Computer hinzugefügt werden so n dieser Stelle angezeigt. | 11. |
|--|--|-----|
| Canon LBP251 Webdienste Andere Canon LBP251 Webdienste Andere | Canon LBP251 Webdienste Andere Canon LBP251 Webdienste Andere | |
| MP-800 8b:a3:29:43:13:00 Bluetooth Andere | Andre | |



On the PC, the identified MP-800 device must be selected, and the coupling request must be confirmed. An identification number is shown, which you can confirm but ignore.

DETECTING THE COM-PORT

After successful coupling, the MP-800 is assigned to a so-called COM Port. This assignment remains permanent. Before starting the application MP-800 TRANSFER, you must know the number of this port.



To do this, please determine the assigned COM port number in the Bluetooth device menu. You need to know this at the start of the application MP-800 TRANSFER.

For Windows 10, 2 COM ports are displayed, take the "outbound" number.

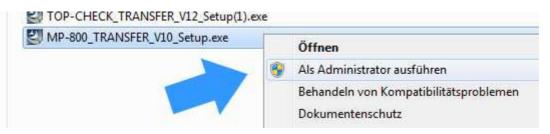
| Windows 7 | Windows 10 | |
|--|--|---|
| Date Bearbeiten Ansicht Extras ? Gerät hinzufügen Drucker hinzufügen Gerät entfernen • Geräte (2) MP-800 TOP-CHECK Bbas20345 Steuerung Verknüpfung erstellen Problembehandlung Gerät entfernen | Einstellungen GERÄTE Drucker & Scanner Angeschlossene Geräte Bluetooth Maus und Touchpad Eingabe | Einstellung suchen Bluetooth-Geräte verwalten Bluetooth Ein Ihr PC sucht nach Bluetooth-Geräten und ist für sie sichtbar. |
| Eigenschaften | Automatische Wiedergabe | Gekoppelt Gekoppelt Gooshimeter V.1 Koppelungsbereit |
| | | MP-800 Bba3294313:00 Koppelungsbereit Verwandte Einstellungen Weitere Bluetooth-Optionen |
| Datei Bearbeiten Anie Systemsteuerungselemente Geräte und Drucker Bluetooth-Gerät Datei Bearbeiten Ansicht Extras ? | Bluetooth-Geräte verwalten Bluetooth | Optionen COM-Anschlüsse Hardware Dieser PC verwendet die unten aufgelisteten COM-Anschlüsse (seriell). Lesen Sie im Bluetooth-Gerätehandbuch, ob ein COM-Anschlüss erforderlich ist. |
| Gerät hinzufügen Drucker hinzufügen Gerät entfernen Gerät e(2) Geräte (2) MP-800 Bbus32943:13:00 Bbus3294 Bbu | Ein Ihr PC sucht nach Bluetooth-Geraten und ist für sie TOP-CHECK bd:9f:29:43:13:00 Gekoppelt APL7654 Koppelungsbereit Koppelungsbereit Koppelungsbereit | e sichtbar. COMIO Ausebend TOP-CHECK 2079 Seialnort |
| | Verwandte Einstellungen Weitere Bluetooth-Optionen | HinzufügenEntfernen G OK Abbreden Übernehmen M |

3. **INSTALLING THE APPLICATION**

The installation package is called "MP-800_TRANSFER_Vxx_Setup.exe" (xx = version number) and available for download at

http://www.list-magnetik.com/de/download

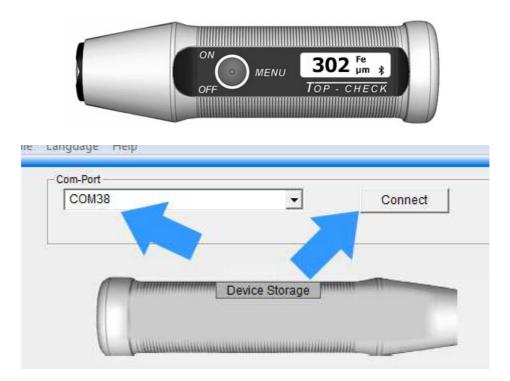
This package must be installed as administrator.



4. FUNCTIONS

STEP 1: CONNECT

To connect, you need the number of the COM port that you detected in chapter 2. Your MP-800 must be switched on, and Bluetooth must be active in the MP-800. You can see it: the Bluetooth indicator at the bottom right.



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 shown in the headline.

The left of the 2 buttons above the table is displayed with "Online", and the upper is now called "Read device storage".

| Com-Port(COM38) | | List-Magnetik GmbH- |
|-----------------|---------------------|---------------------|
| | Connected | |
| Paraman | Device Storage | |
| | Read device storage | |
| Data | | |
| Online (0) | Memory (0) | - Commands |

MEASURING ONLINE

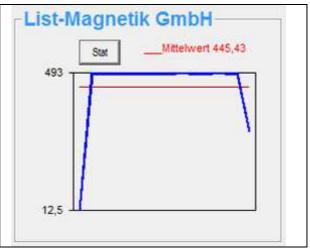
Now you can start your work.

For example, you can directly perform online measurements.

| | | | List-Magnetik GmbH |
|--|-------------------------|-------------------------|---|
| | C | Charl | |
| Franking | Device Sto Read devi | ce storage | Statistics: Number 16 Maximum 497,00 A/cm Minimum 1,30 A/cm Average 439,41 A/cm |
| Data Online (16) | | nory (0) | Average 439,41 A/cm Std.Deviation 153,64 A/cm |
| | | | Commanda |
| 10.08.2018 | NO. | Value Unit 1,30 A/cm | Open Data File |
| 10:54:03 | 2 | 95,30 A/cm | |
| 10:54:04 | 3 | 497,00 A/cm | Save to File |
| 10:54:04 | 4 | 497,00 A/cm | |
| 10:54:05 | 5 | 497,00 A/cm | |
| 10:54:05 | 6 | 497,00 A/cm | Print |
| 10:54:06 | 7 | 497,00 A/cm | |
| 10:54:06 | 8 | 496,00 A/cm | Exit program |
| 10:54:06 | 9 | 495,00 A/cm | |
| 10:54:07 | 10 | 494,00 A/cm | |
| 10:54:07 | 11 | 494,00 A/cm | - Copy data to |
| | 12 | 494,00 A/cm | |
| 10:54:08 | 13 | 494,00 A/cm | Clipboard |
| 10:54:08 10:54:08 | 14 | 494,00 A/cm | |
| 10:54:08 10:54:08 10:54:09 | | 494,00 A/cm | MS Word |
| 10:54:08 10:54:08 10:54:09 10:54:09 | 15 | | M 3 WOIU |
| 10:54:08 10:54:08 10:54:09 | | 494,00 A/cm | in S Word |

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

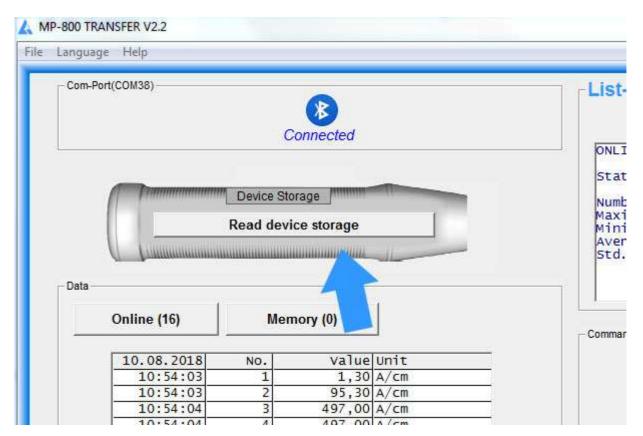
To toggle between the numeric statistic and a line diagram, please use the button "Chart" and "Stat".



For further processing of the data, see the following sections.

READ DATA FROM DEVICE

If you already have measured values in the device memory, these can be read from the device by the application.



As long as the transfer is running (display: "please wait ...") all activities are blocked. The counter behind the title of the measurement series, "Device Storage", counts the transferred measurements.

| | Read devi | ice storage | |
|------------------------|-----------|----------------------|--------------|
| (Communication | | | 1 |
| | | | |
| | 0 | | 2 |
| | 1. | | - |
| Online (16) | Device | Storage (4) | |
| Online (16) | Device | Storage (4) | |
| Online (16) | No. | Storage (4) Value | Unit |
| | 1 | | |
| 10.08.2018 | 1 | value | |
| 10.08.2018 10:55:58 | NO. | Value -29,90 | A/cm A/cm |

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

If the device memory stack is empty, no title is displayed in the second button, and the button remains inactive.

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OUTPUT: FILE, PRINTER, APPLICATIONS

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

| MP-800 TRANSFER V2.2 | | |
|---|------------------------|---|
| e Language Help | | |
| Com-Port(COM38) | Connected | List-Magnetik GmbH Charl Memory |
| Device S Read de | vice storage | Statistics: Number 4 Maximum 116,00 A/cm Minimum 0,20 A/cm Average 36,60 A/cm Std.Deviation 54,75 A/cm |
| | א Storage (4) ב | Open Data File |
| MP-800 TRANSFER > mes | | Save to File |
| A Name | Änderungsdatum Typ | Pr |
| i test-mp800.mes | 10.08.2018 10:12 MES-I | Date Exit prog |
| cht | | Copy data to |
| | | Clipboard |
| | | MS Word |
| | | |
| | | MS Excel |
| + <m< td=""><td></td><td>MS Excel</td></m<> | | MS Excel |

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.

| Speicher | | |
|--|------------------|---|
| Statistik: | | |
| Anzahl Maximum Minimum Mittelwert Std.Abweichung | | 4 116,00 A/cm 0,20 A/cm 36,60 A/cm 54,75 A/cm |
| 10.08.2018 | Nr. | Messwert |
| 10:12:17 10:12:17 10:12:17 10:12:17 10:12:17 | 4 5 6 7 | |

Example of a print output via button "Print"

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

| D | atei Start | Einfügen | Seitenlayou | ıt Formeln D | ungen Überprüfen Ansicht PDF Architect 4 Creator PDF Architect 5 Creator 🛛 Was möchten Sie tun? |
|-----|---------------|----------------------|------------------|--------------------|--|
| | * | Calibri | * 11 · | A* A* = = | Image: Second secon |
| Eir | nfügen | <i>FK</i> <u>U</u> → | - 🖾 | • <u>A</u> • = = = | S Absistz Formativariage 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9 1 10 1 13 1 14 1 15 1 |
| Zwi | schenablage 🗔 | S | chriftart | r _a | |
| A | 1 * | 11 × | ✓ f _× | 23.11.2017 | |
| 4 | A | В | с | D | |
| 1 | 23.11.2017 | Nr.: | Messwert: | Messeinheit: | ¶ 23.11.2017 Messwert: Messwer |
| 2 | 10:41:38 | 1 | 3,1 | A/cm | 1 |
| з | 10:41:38 | 2 | 8,9 | A/cm | ¶ 10:41:38·······1·····3.1······A/cm¶ |
| 4 | 10:41:38 | 3 | 10,6 | A/cm | 10:41:38···································· |
| 5 | | | | | 1041.38 3 10.0 Ayding |
| 6 | | | | | ¶ Statistik:¶ |
| 7 | | | | | No:3¶ |
| 8 | | | | | Min:*****3,10*A/cm¶ Max:****10.60*A/cm¶ |
| 9 | | | | | Mean:····7,53'A/cm¶ |
| 10 | | | | | Std.Dev:3,93'A/cm¶ ¶ |
| 11 | | | | | |

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