MTE Meter Test Equipment

Application Note

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January 17, 2014	V1.0	Franz Baumeler

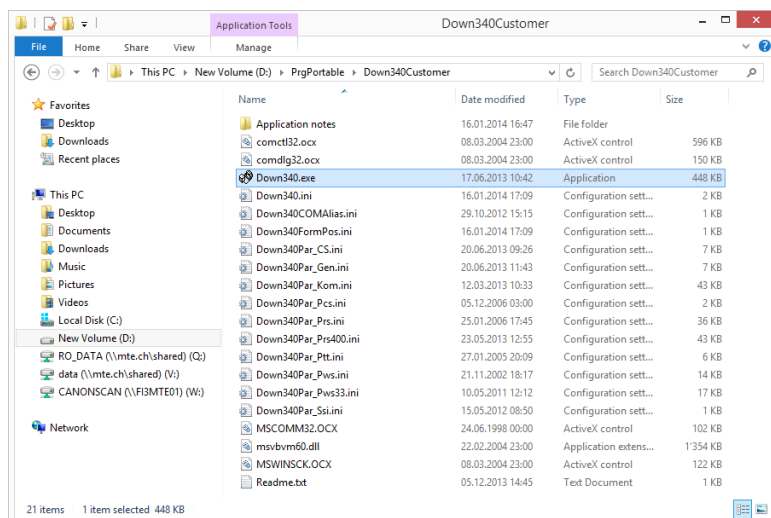**Down340 for customers – screen shot and serial command tool**

Introduction

The program down340 for customers can be used to send serial commands to the instrument or to make screen shots of the display (options: PRS Screen Grabber activated).

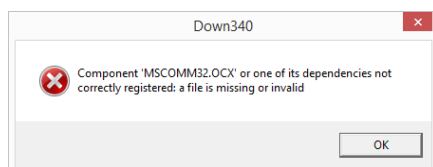It is not necessary to install the program.

Copy the directory **Down340Customer** with all files on a portable memory or on your PC. This could e.g. be a directory for portable programs, which need not to be installed:
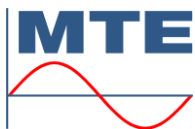
D:\PrgPortable\Down340Customer

Double click on **down340.exe** to start the program directly from here.

Use the right mouse key over the file **down340.exe** and select **create shortcut** to create a short cut, which you can copy to the desktop for direct access to the program.

Note: If you use **Windows 7 or 8 operating system**, it can be that you get an error message at first double click on **Down340.exe**.

In this case follow the instructions in section **4. Trouble shooting at registration problems of *.ocx components** to correctly register these components.
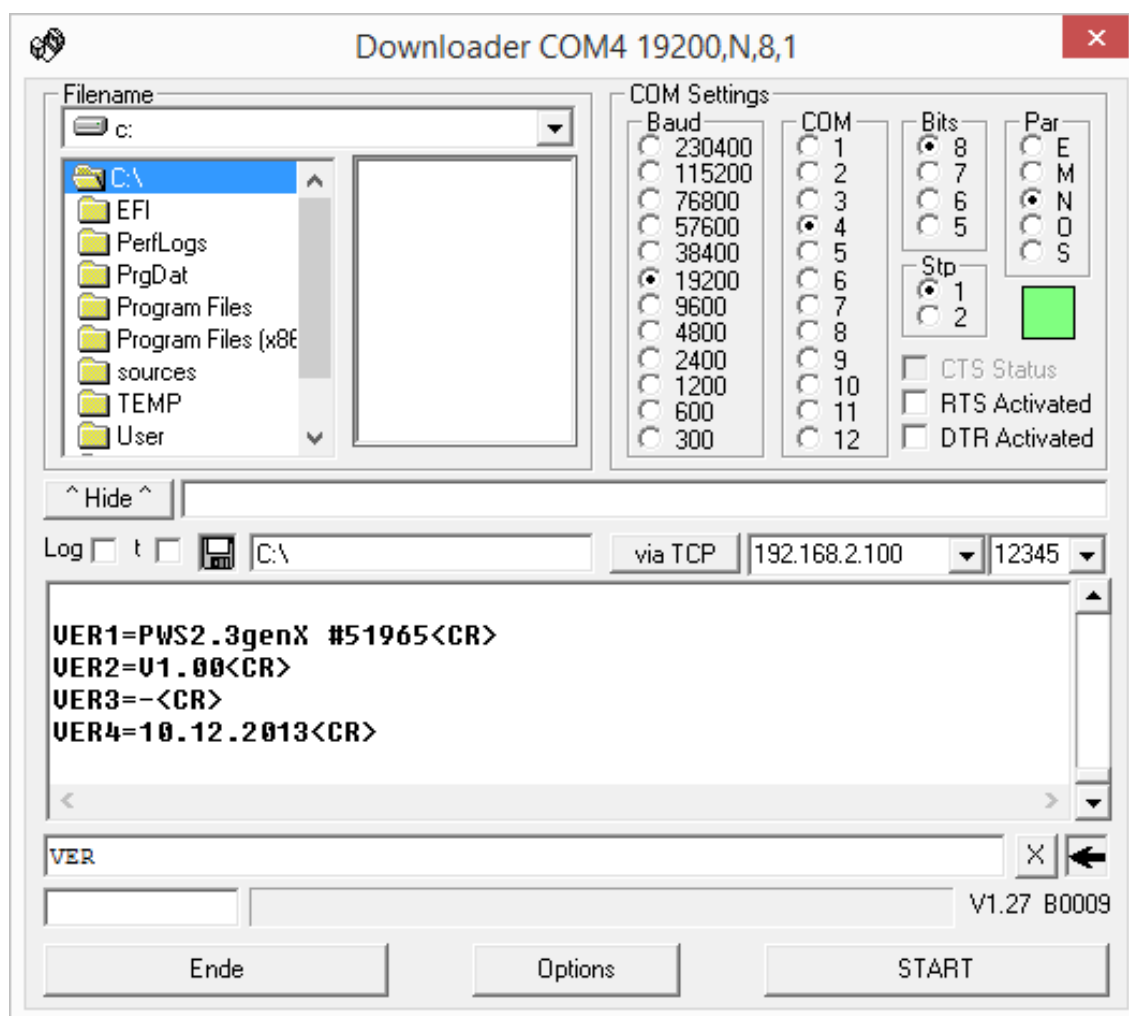
1. Serial Communication via RS232 or USB (virtual COM port)

Select correct **COM Settings** (example: COM4 19200,N,8,1)

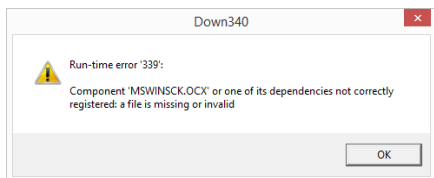|	
COM port number (COM):	4
Baud rate (Baud):	19200
No parity (Par):	N
Number of bits (Bits):	8
Number of stop bits (Stp):	1

The command line at the bottom can now be used to send commands to the device, e.g. **VER** to get version information of the device.

2. Communication via Ethernet connection

Click the button **via TCP** to change from serial RS232 to Ethernet communication.

Note: If you use **Windows 7 or 8 operating system**, it can be that you get an error message at first click on **via TCP** button.

In this case follow the instructions in chapter **4. Trouble shooting at registration problems of *.ocx components** to correctly register these components.

Enter IP address and port number (UDP or TCP) of your device.
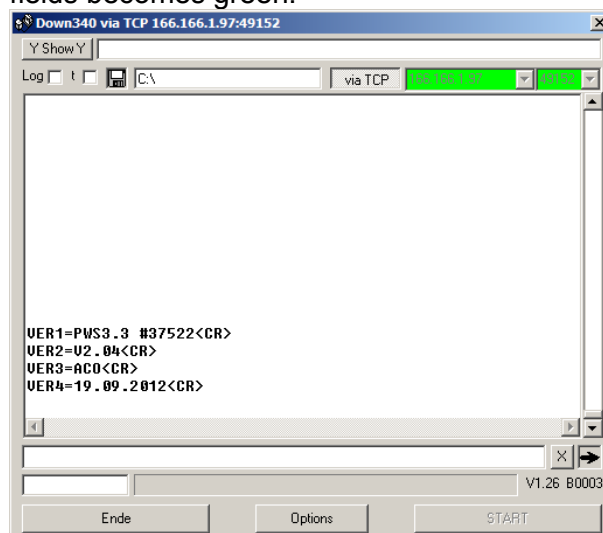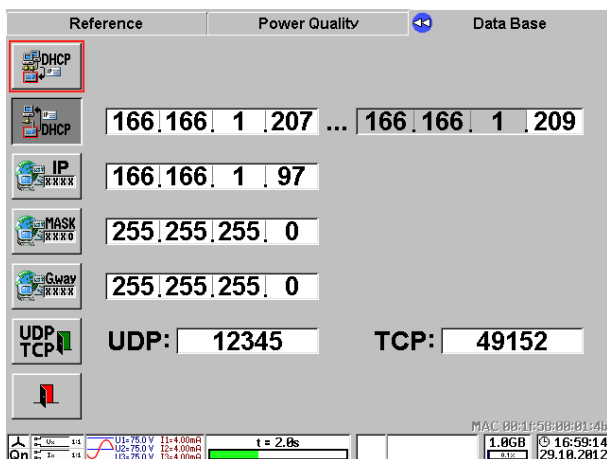
Example PWS3.3
IP: 166.166.1.9
TCP: 49152

Down340 for customer - Ethernet settings
Enter **IP** and **TCP** values of the device in the fields after the button **via TCP**.
If the settings are correct, the background of the fields becomes green.

The command line at the bottom can now be used to send commands to the device, e.g. **VER** to get version information of the device.
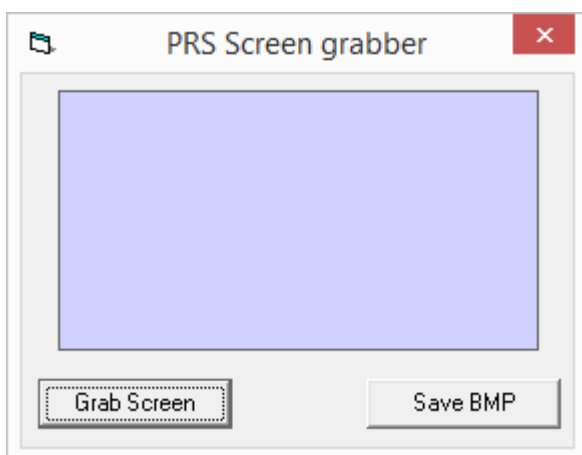
Press **via TCP** button once again to get back to RS232 serial communication.

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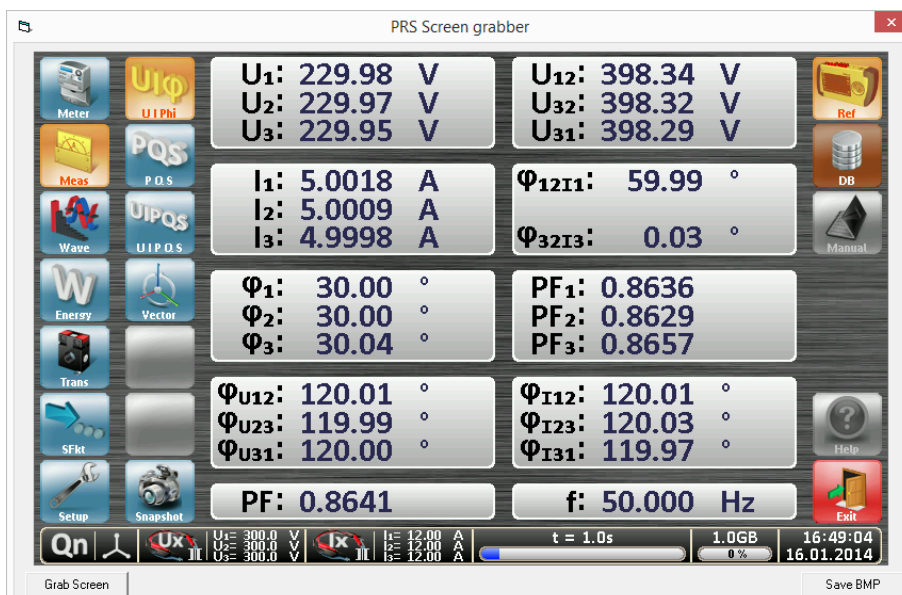## 3. Make a picture of the actual display content of the device

Click on the **black arrow** at the right end of the command line
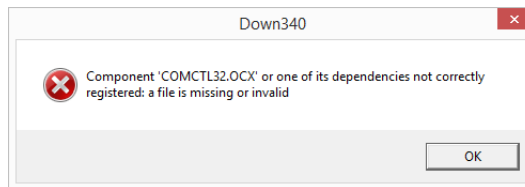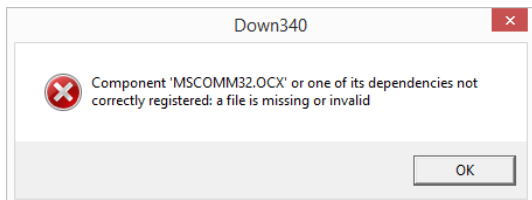

The screen grabber window opens.

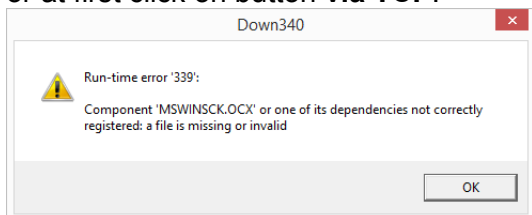Click on **Grab Screen** button to make a picture of the actual screen.

Click on **Save BMP** button to save the picture in ***.BMP** format.

4. Trouble shooting at registration problems of *.ocx components

If you use **Windows 7 or 8 operating system**, it can be, that you get an error message at double click on **Down340.exe**
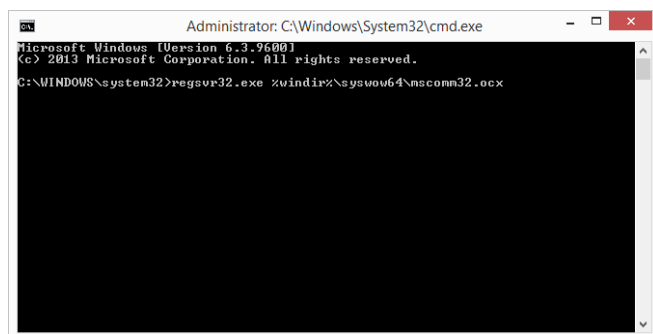

or at first click on button **via TCP**.

All the files **<name>.OCX** mentioned in the error messages need to be registered correctly with the following procedure.

1. Copy the file **<name>.OCX** (e.g. **MSCOMM32.OCX)**, which you can find in the **Down340Customer** directory, to the following directory: **C:\Windows\SysWOW64**
   You need to be logged in as administrator. Select Continue, if access to folder is denied.

2. Go to **C:\Windows\System32** and search for the program **cmd.exe**. Click with right mouse button on **cmd.exe** and select **Run as administrator**. Confirm the security question with Yes.

3. Write following entry in the command prompt window:

   regsvr32.exe %windir%\syswow64\<name>.ocx (example: mscomm32.ocx)

After pressing ENTER you should receive following message: