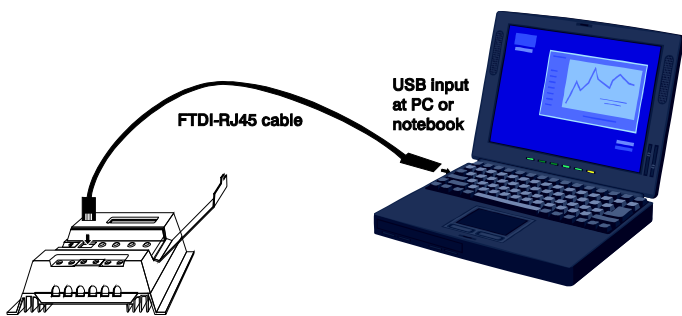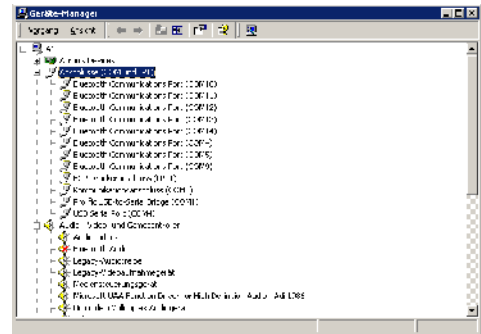# PA_CAB1 - USB cable for the Tarom235/245/440

Some system parameters of the Tarom charge regulators can be sent via USB to a Computer with this cable. This FTDI cable emulates a serial port on the PC. These data can be visualized by a terminal program like HyperTerminal for Microsoft Windows, with the TarCom.exe program or by any other program connected to a COM port.
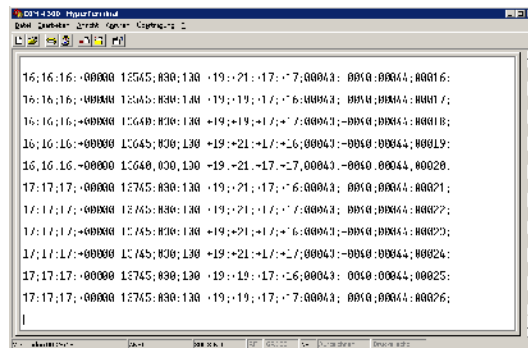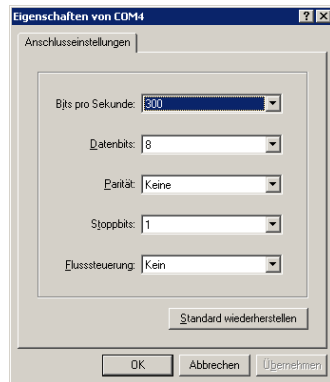
Prior to use the FTDI cable you have to install the USB driver. Go to "http://www.ftdichip.com/Drivers/VCP.htm" and download FTDI VCP driver version 2.060.2 or higher.(file CDM20602.zip).
On the Tarom regulator you have to activate the option "transmit PC". Press menu, then ^ and menu together. Select for "option transmit" "PC" and press OK.

Insert FTDI cable into RJ45 plug at the Tarom regulator and into a free USB port at the notebook

open computer/properties/hardware/device manager/COM ports and note the FTDI COM port number under "USB Serial port COM.." (here COM4)

Start **HyperTerminal**.exe and configure it with the FTDI COM port number. Set baud rate to 300;8;N;1.
Once per minute you will receive one status line, each value separated by a ";". There are some internal status values but these positions are mostly used:
1. SOC , 4. battery current I acc in 0,01A , 5. battery voltage in 0,001V
The last parameter is a sequential counter

Or you can use the program **TarCom**.exe in a special 300 Baud mode: menu 'options/settings/extra/Tarom RJ45'. Before you have to choose the right COM port under menu 'file/interface/user defined'. Most logger functions are not valid, only the data table will be filled automatically and you can use the graph function.

```
17;17;17;+00000;11727;030;100;+19;+21;+17;+17;00043;-0040;00044;00028;
|                |        |                |
SOC              |     U battery mV        |
                 |                         |
           I accu 10mA         board temperatures 4x
```