Read out Software - Electronic Torque Wrench with Built-in Angle Gauge-eTAC

Content page

1.) Installation of read out software "Hazet tool":

After download run the file HAZETTool_Setup.exe and follow the instructions to install the software "Hazet tool" on your PC.

During the installation the following error code "Not passed Windows logo testing" may appear. Select "Continue Installation"

The installation requires administrator privileges.
User needs read and write permissions for the installation folder.

Turn on the ETAC - wrench and connect the wrench via a USB cable with the PC on which the read out software is installed. The cable has to be connected to the eTAC-wrench with a plug for his "Mini-USB 5-pin" feature.

The ETAC key is detected and automatically starts the driver installation.
Select "Install software automatically"

During the installation the following error code "Not passed Windows logo testing" may appear. Select "Continue Installation"

Then the installation of "Hazet ETAC USB Serial Port" starts automatically.
Select "Install software automatically"

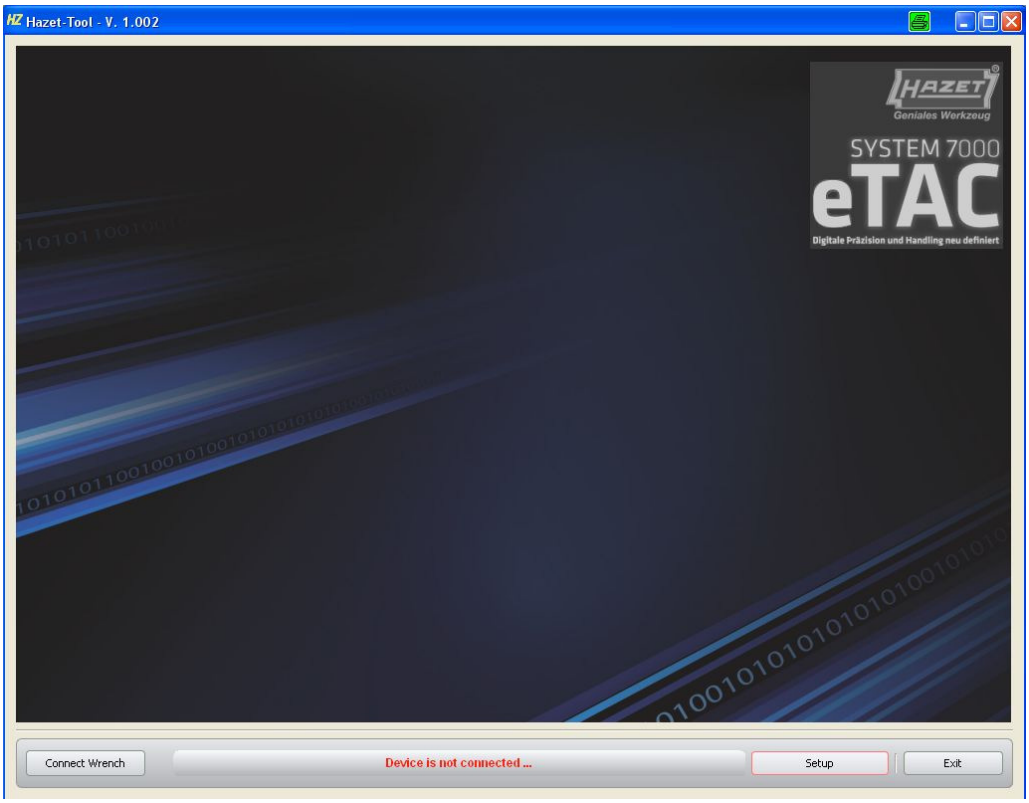
During the installation the following error code "Not passed Windows logo testing" may appear. Select "Continue Installation"

2.) Starting and using the read out software “Hazet tool”

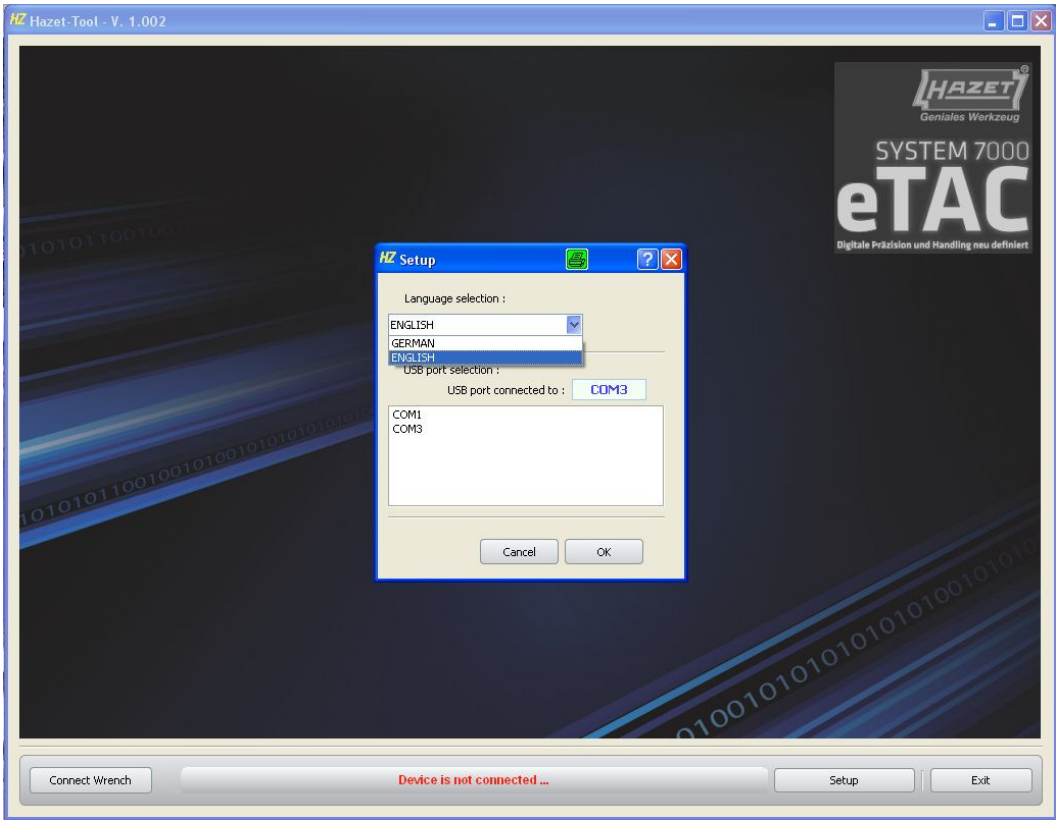
Start “HAZET-Tool” reading software on the PC.

To establish a connection to a PC, change to the menu with “X” and select the “PC connection” menu option with “+”.

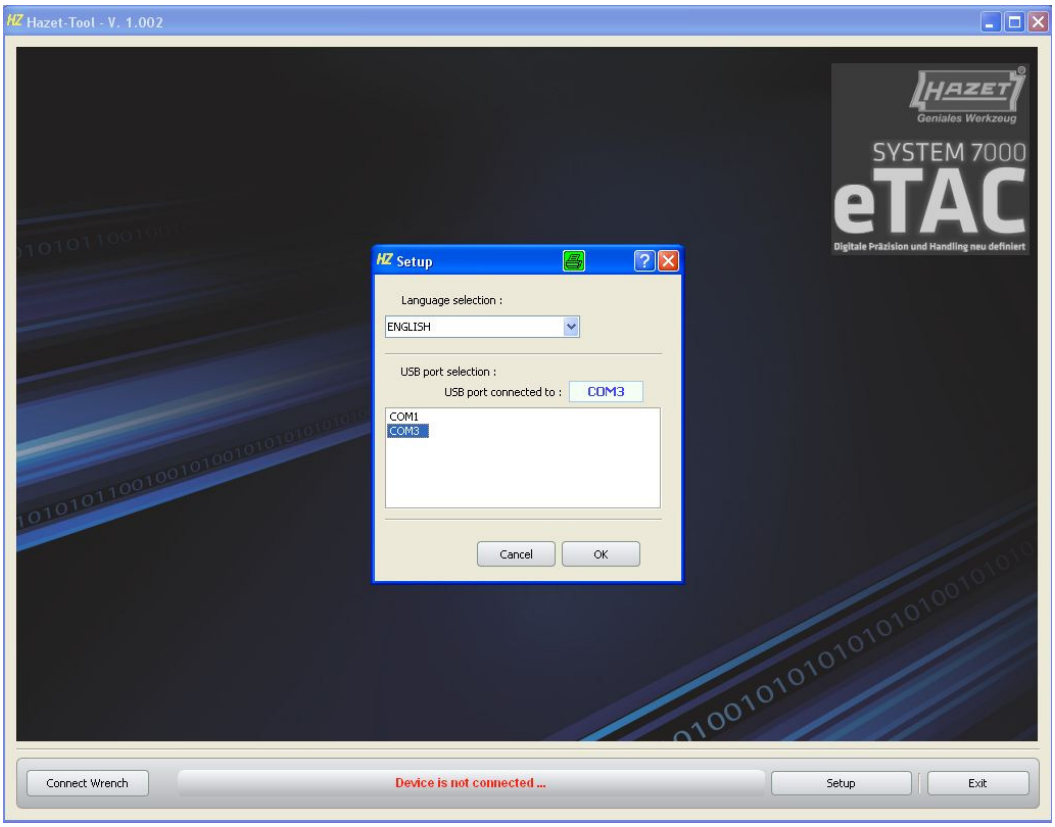
Press “OK “in the “PC connection” menu option displays “…..”.



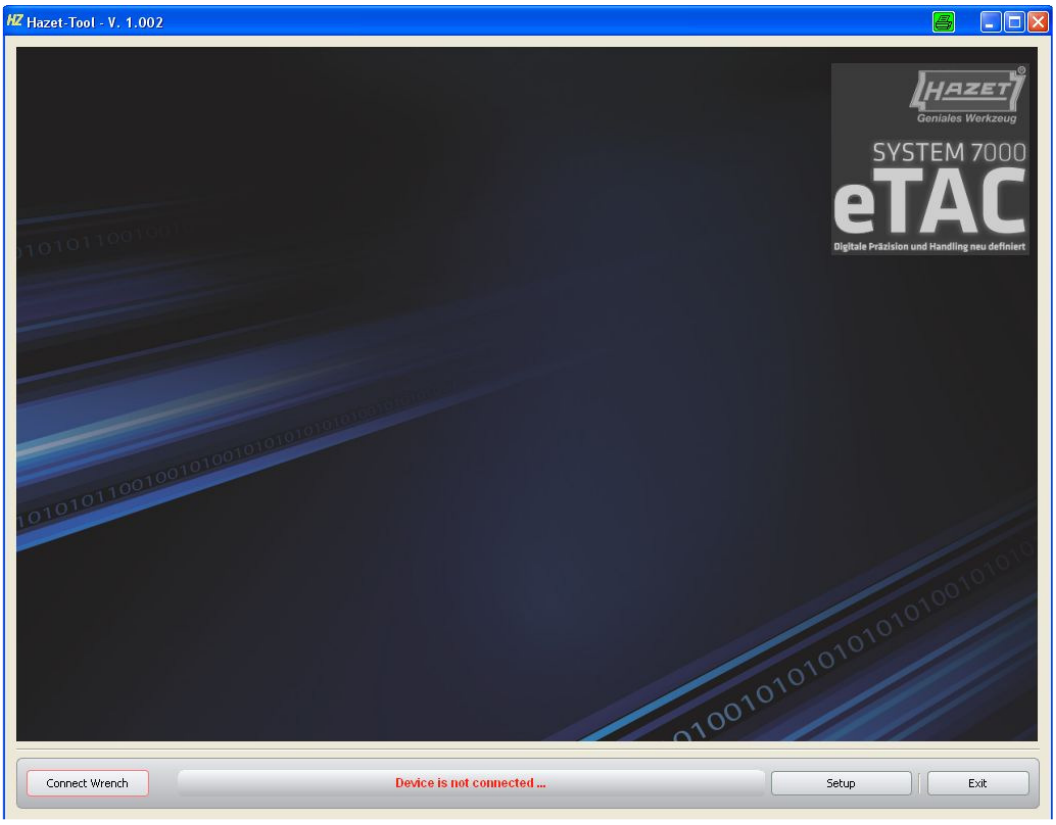
Start-Screen ▸ <Setup>



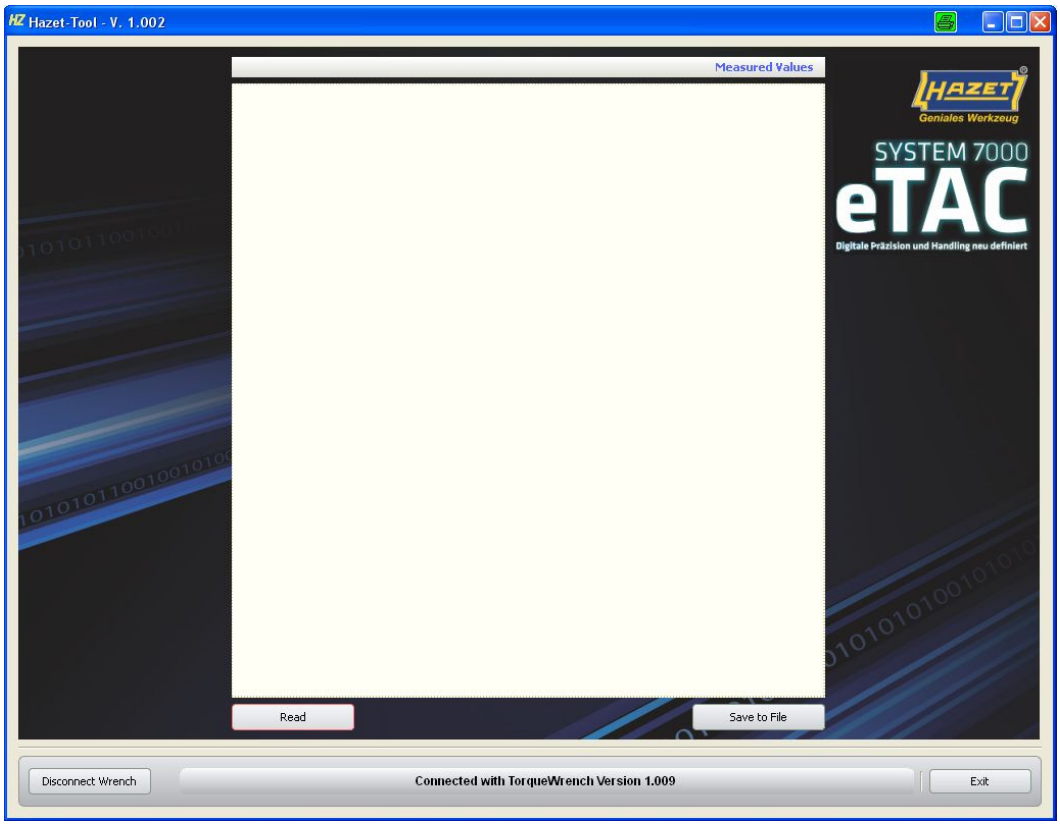
▸ <Language selection>



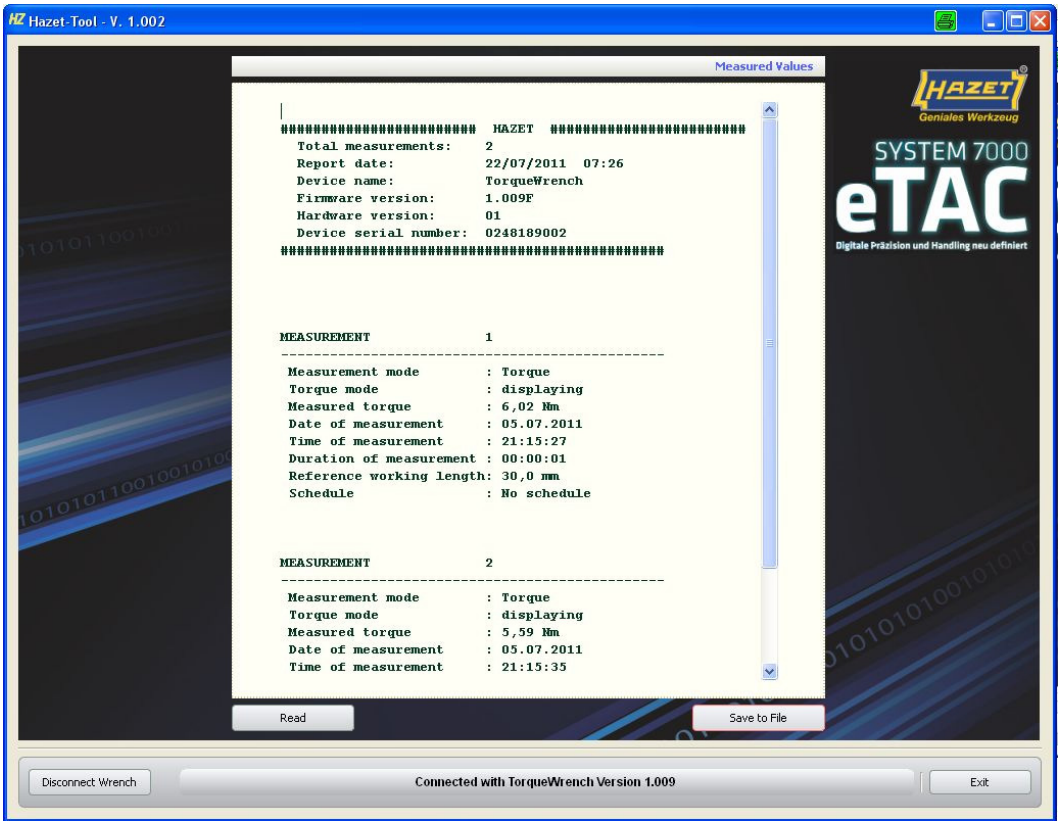
- <usb port selection>



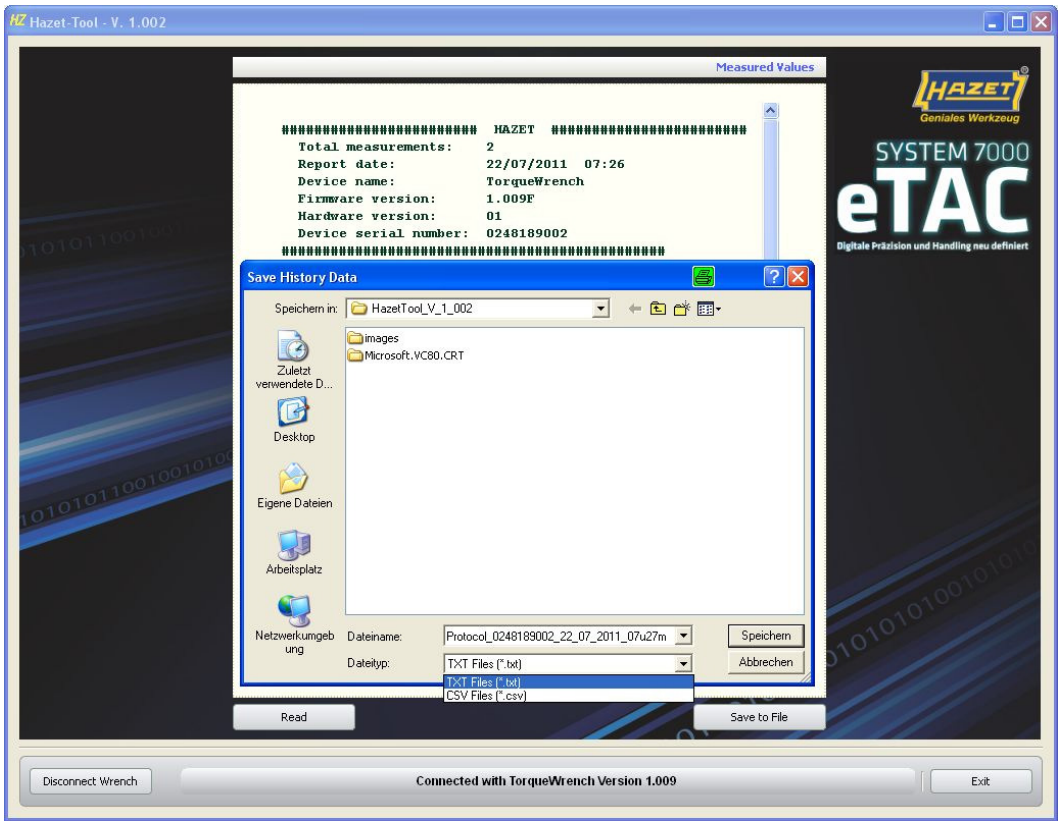
- <Connect Wrench>



▸ <Read>

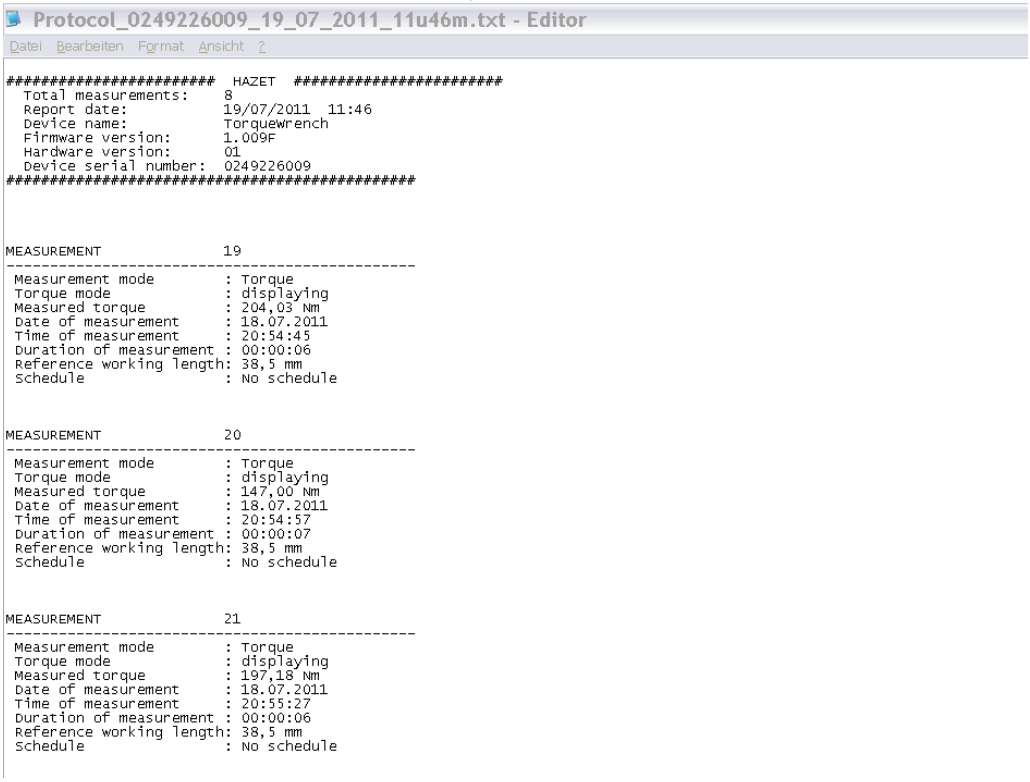


▸ view of the values ▸ <Save to File>



- Select file type
- <Save>

View of measurement in TXT-file, in Editor or MS-Word:



Protocol_0249226009_19_07_2011_11u46m.txt - Editor

Datei Bearbeiten Format Ansicht ?

```
######################  HAZET  ######################
  Total measurements:    8
  Report date:           19/07/2011  11:46
  Device name:           Torquewrench
  Firmware version:      1.009F
  Hardware version:      01
  Device serial number:  0249226009
################################################



MEASUREMENT              19
-------------------------------------------------
 Measurement mode        : Torque
 Torque mode             : displaying
 Measured torque         : 204,03 Nm
 Date of measurement     : 18.07.2011
 Time of measurement     : 20:54:45
 Duration of measurement : 00:00:06
 Reference working length: 38,5 mm
 Schedule                : No schedule


MEASUREMENT              20
-------------------------------------------------
 Measurement mode        : Torque
 Torque mode             : displaying
 Measured torque         : 147,00 Nm
 Date of measurement     : 18.07.2011
 Time of measurement     : 20:54:57
 Duration of measurement : 00:00:07
 Reference working length: 38,5 mm
 Schedule                : No schedule


MEASUREMENT              21
-------------------------------------------------
 Measurement mode        : Torque
 Torque mode             : displaying
 Measured torque         : 197,18 Nm
 Date of measurement     : 18.07.2011
 Time of measurement     : 20:55:27
 Duration of measurement : 00:00:06
 Reference working length: 38,5 mm
 Schedule                : No schedule
```

for example, a simple protocol

View of measurement CSV-file, in Editor or MS-Word.

```
MEASUREMENT;Measurement mode;Torque mode;Measured torque;unit;Target torque;unit;Measured angle;unit;Target angle;unit;Snug torque;unit;Date
19;Torque;triggering;204.03;Nm;200.0;Nm;;;;;;;18.07.2011;20:54:45;00:00:06;n.OK;2.0;%;38.5;mm;No schedule;No parameter;;;;;;;;;;;
20;Torque;triggering;147.00;Nm;150.0;Nm;;;;;;;18.07.2011;20:54:57;00:00:07;OK;2.0;%;38.5;mm;No schedule;No parameter;;;;;;;;;;;
21;Torque;triggering;197.18;Nm;200.0;Nm;;;;;;;18.07.2011;20:55:27;00:00:06;OK;2.0;%;38.5;mm;No schedule;No parameter;;;;;;;;;;;
22;Torque;triggering;143.05;Nm;150.0;Nm;;;;;;;18.07.2011;20:55:42;00:00:06;n.OK;2.0;%;38.5;mm;No schedule;No parameter;;;;;;;;;;;
23;Torque;triggering;201.44;Nm;200.0;Nm;;;;;;;18.07.2011;20:56:35;00:00:13;OK;2.0;%;38.5;mm;No schedule;No parameter;;No;;;;;;;;
24;Torque;triggering;205.46;Nm;200.0;Nm;;;;;;;18.07.2011;20:56:58;00:00:04;n.OK;2.0;%;38.5;mm;No schedule;No parameter;;No;;;;;;;;
25;Torque;triggering;204.60;Nm;200.0;Nm;;;;;;;18.07.2011;20:57:10;00:00:03;n.OK;2.0;%;38.5;mm;No schedule;No parameter;;No;;;;;;;;
26;Torque;triggering;198.66;Nm;200.0;Nm;;;;;;;18.07.2011;20:57:40;00:00:09;OK;2.0;%;38.5;mm;No schedule;No parameter;;No;;;;;;;;
```

- **start the Excel program**
- **import data**

Data View after import and formatting the csv file in excel and using the charting feature of Excel.

Microsoft Excel - Protocol_0249226009_19_07_2011_08u01m1.xls

	MEASUREMENT	Measurement mode	Torque mode	Measured torque	unit	Target torque	unit	Measured angle	unit	Target angle	unit	Snug torque	unit	Date of measurement	Time of measurement	Duration of measurement	Evaluation	Tolerance	unit	Reference working length	unit	Schedule	Parameter set	Torque check	Angle check	Lower torque	unit	Upper torque	unit	Lower angle	unit	Upper angle	unit	Verification
2	19	Torque	triggering	204.03	Nm	200.0	Nm							18.07.2011	20:54:45	00:00:06	n.OK	2.0	%	38.5	mm	No schedule	No parameter		No									
3	20	Torque	triggering	147.00	Nm	150.0	Nm							18.07.2011	20:54:57	00:00:07	OK	2.0	%	38.5	mm	No schedule	No parameter		No									
4	21	Torque	triggering	197.18	Nm	200.0	Nm							18.07.2011	20:55:27	00:00:06	OK	2.0	%	38.5	mm	No schedule	No parameter		No									
5	22	Torque	triggering	143.05	Nm	150.0	Nm							18.07.2011	20:55:42	00:00:06	n.OK	2.0	%	38.5	mm	No schedule	No parameter		No									
6	23	Torque	triggering	201.44	Nm	200.0	Nm							18.07.2011	20:56:35	00:00:13	OK	2.0	%	38.5	mm	No schedule	No parameter		No									
7	24	Torque	triggering	205.46	Nm	200.0	Nm							18.07.2011	20:56:58	00:00:04	n.OK	2.0	%	38.5	mm	No schedule	No parameter		No									
8	25	Torque	triggering	204.60	Nm	200.0	Nm							18.07.2011	20:57:10	00:00:03	n.OK	2.0	%	38.5	mm	No schedule	No parameter		No									
9	26	Torque	triggering	198.66	Nm	200.0	Nm							18.07.2011	20:57:40	00:00:09	OK	2.0	%	38.5	mm	No schedule	No parameter		No