ALLURIS
innovative Messinstrumente
für physikalische Größen

16.08.2013

1 WTT Calibration Tool

1.1 Installation

Necessary Installations:

- NI LabVIEW Run-Time Engine 2013
- Alluris USB-Driver MCHPUSB

Both installations are included in the complete setup.exe and will be done automatically.

During the installation may occure some messages from Windows Security System concerning execution of installations or installing unsigned drivers. Everything has to be confirmed for execution and installing.

After installation has been successful there will be a link in the Windows Start Menue in subfolder “WTT Calibration Tool”.

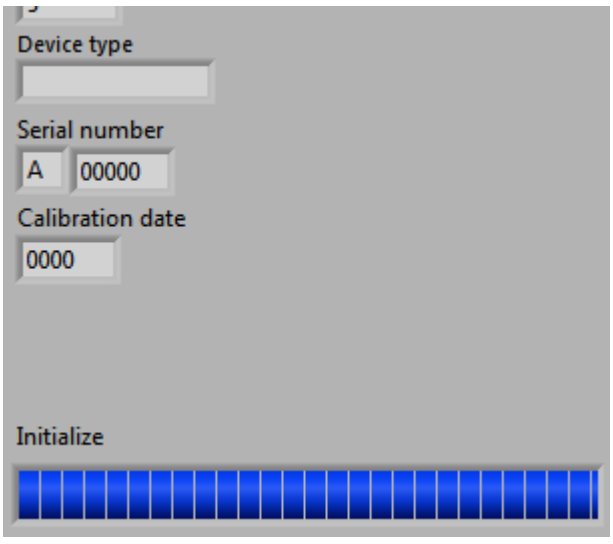
1.2 Starting the tool

If the tool is started it will read out the device´s parameter automatically as soon as a device will be connected. If a connected device is turned off or disconnected the calibration tool will recognize this and goes into the disconnect mode by waiting for a new connection.

Calibration will only be possible with this device types:

- FMT-W10 C5_01
- FMT-W20 K1_01
- FMT-W30 K1_03
- FMT-W40 K1_03

While read out device´s state a progress bar will be prompted.



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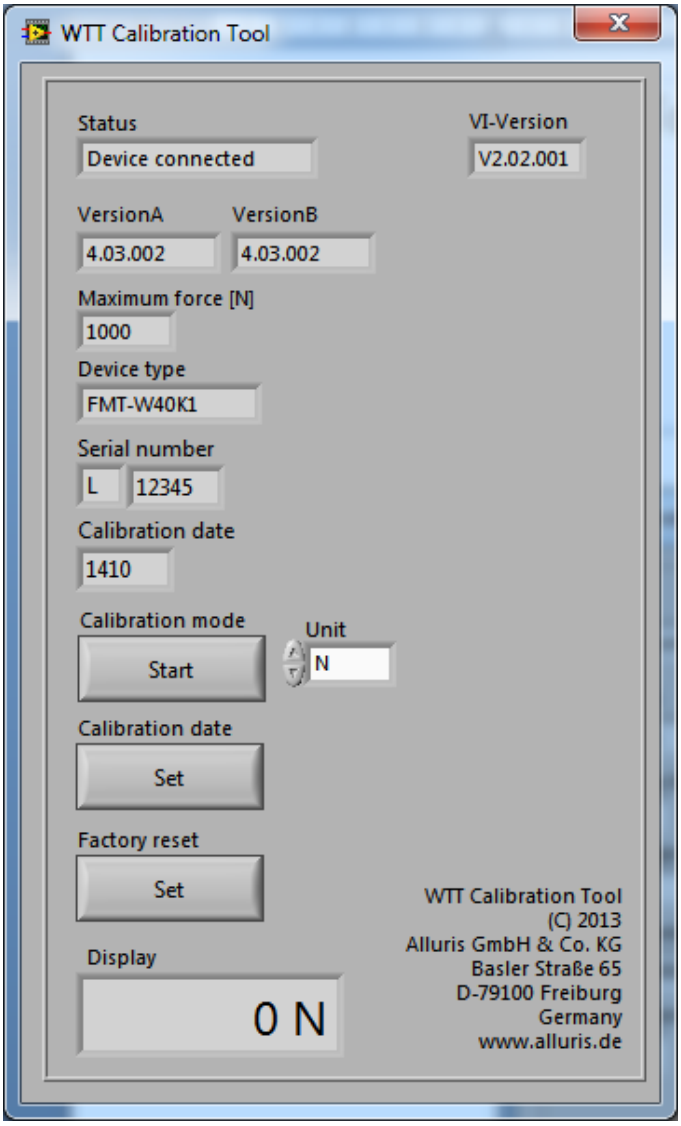
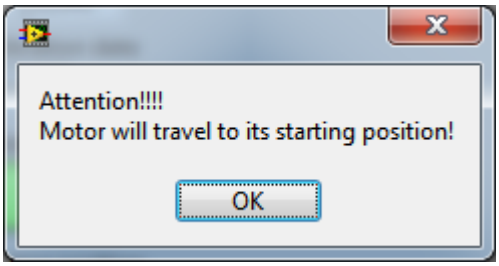
After reading is successfull and a correct device is connected the operating buttons will appear.



Otherwise there will be a message and the operating buttons will not be visible.

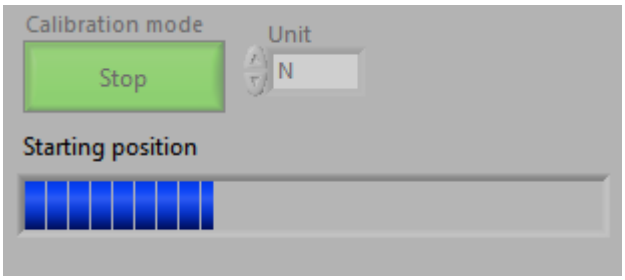
1.3 Calibration mode

If there is connected a motorized pull tester its motor has first to be travelled to a startposition before calibration can be done. If you start the calibration mode a message is shown.



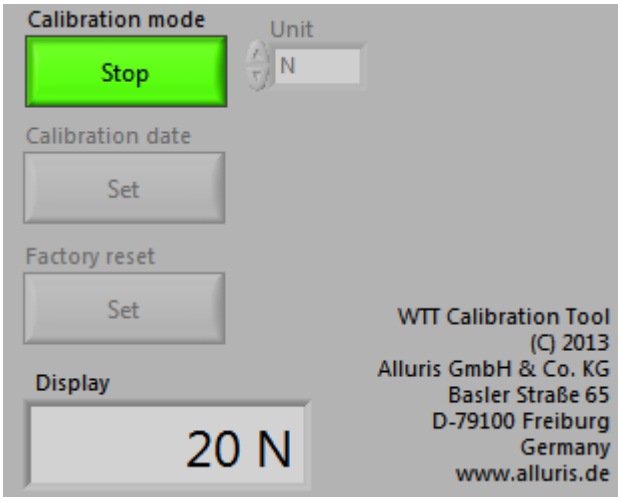
After acknowledge this message the motor starts to travel for 25 seconds (it´s enough with the default speed of 100 mm/s) and will then be disabled until you turn off and on the pull tester.

While travelling to the start position a progress bar will be shown.



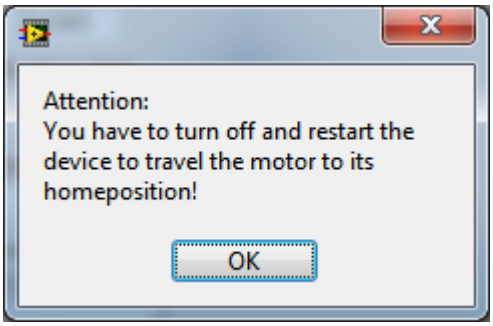
After turning off and on the device again, the motor will travel automatically to its home position.

If you click this button “Calibration mode” and the startposition of motorized pull testers has reached the device will be brought into a mode where endless measurement is possible until the button is pressed again. The measured value will be shown in the field “Display”.



By starting the calibration mode the unit choosen in “Unit” field will be programmed to the device and it will be brought into the standard measure mode so there will be no annyoing effects of the normal peak mode.

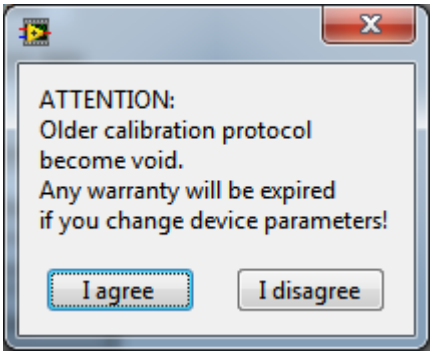
If you stop the calibration mode the device will be set to facotry reset.If there is connected a motorized pull tester a hint is shown for turn off and on the device to bring the motor to its homeposition.



1.4 Calibration date

By clicking this button you write the new calibration date (actual month plus 14 month) into the device. This date is shown in device´s display if you turn it on.

Attention: After writing any parameter into the force gauge older calibration protocol will become void and the warranty will expire! You have to confirm this in a dialog box:



1.5 Factory reset

You can set the device to factory reset by clicking this button. This step will be made automatically after stopping the calibration mode but you also can do it at any time the measurement is not running.