OneView
Pedigree Technologies

Installation

Required Tools

1)   A PC with a USB port and running windows 10
2)   A VEGAFlex81 sensor
3)   An AssetPack AP4 device
4)   A VEGA Connect USB programming tool
5)   PACTware and VEGA DTM Collection

NOTES

1) Once the AssetPack is turned on it will power the sensor for 30 minutes before going into normal operation mode, if at any time you need to re-configure the sensor, move the AssetPack Dial to the "off" position, then back to the "on" position.

2) There is a video of how to use the PACTware device here How to Use PACTware . It is not the same sensor, but it is a decent example of how to navigate the software when configuring the VEGAFlex.

STEPS

1) Install PACTware and DTM on the PC, you may need to enable .net 3.5
2) Cut the probe to the proper size, make note of the new length in mm
   - Measure from inside of threaded collar to bottom of tank, weight should be just above the bottom of tank
3) Install the sensor and AssetPack in its location.
4) Connect wire to AssetPack show below, but leave the dial in the OFF position for now

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STEPS (continued)

5) Unscrew the yellow cap from the top of the VEGAFlex device
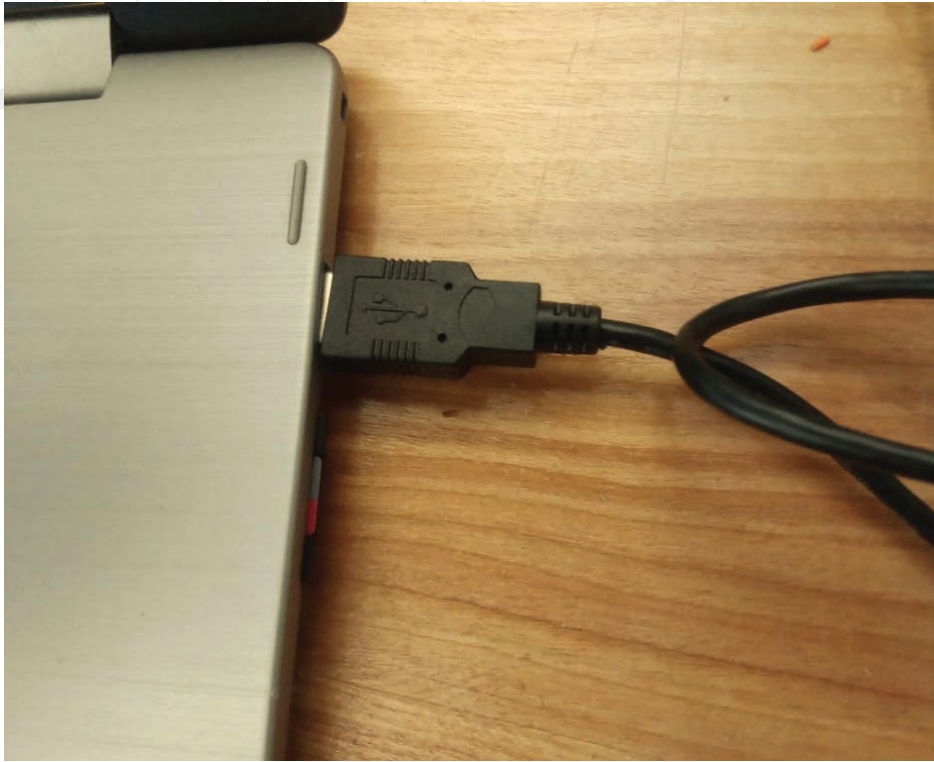6) Attach the black cap from the VEGA Connect tool as show in the image below

7) Plug the USB cable into the Connect tool cap as shown below

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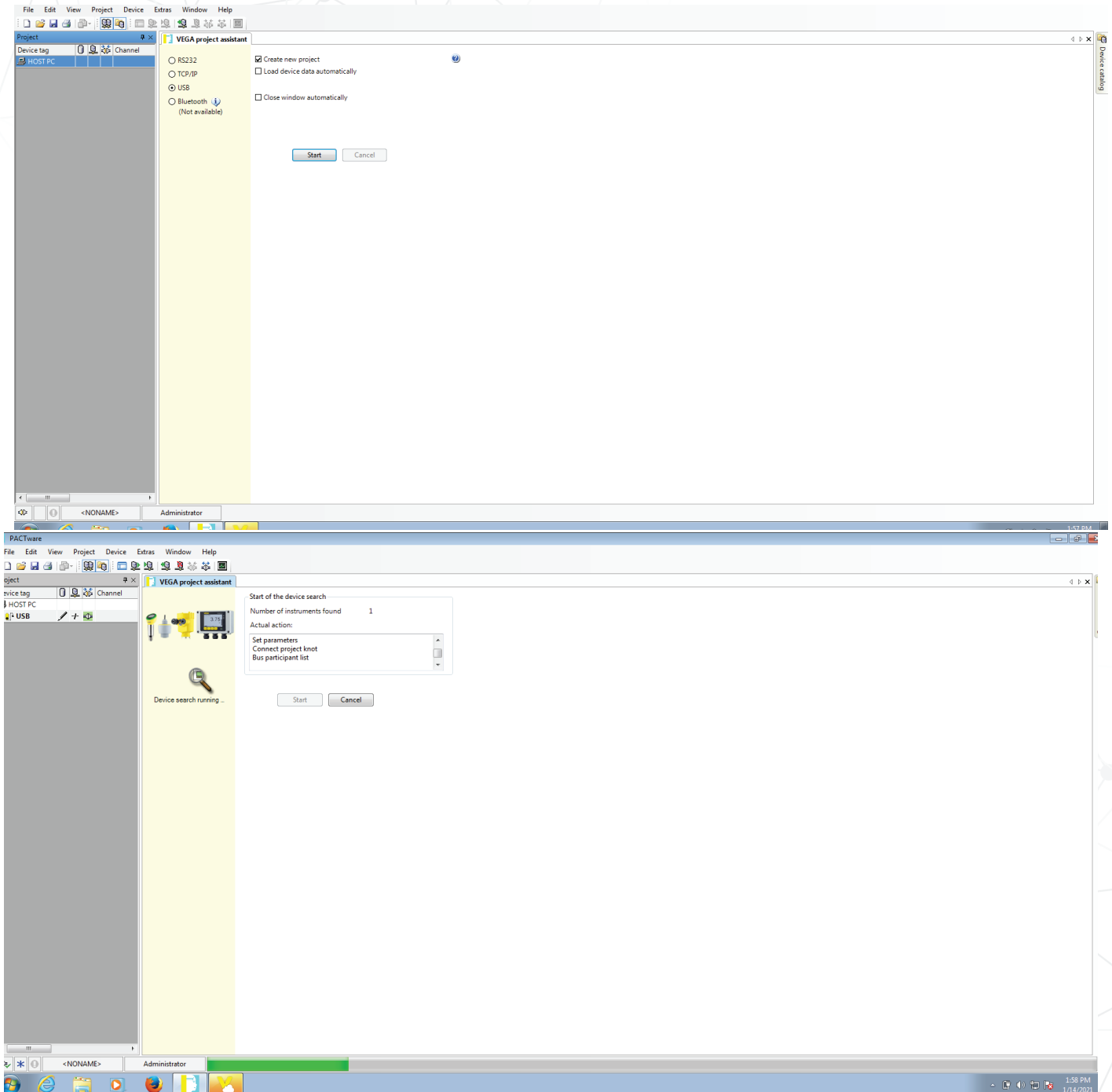
8) Plug other end of USB cable into PC USB port

9) Start PACTware software

10) Turn AssetPack to the ON position, it will power the sensor for 30 minutes before going into normal operation mode.

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11) Scan for new device
- Select 'Create new project' then Start
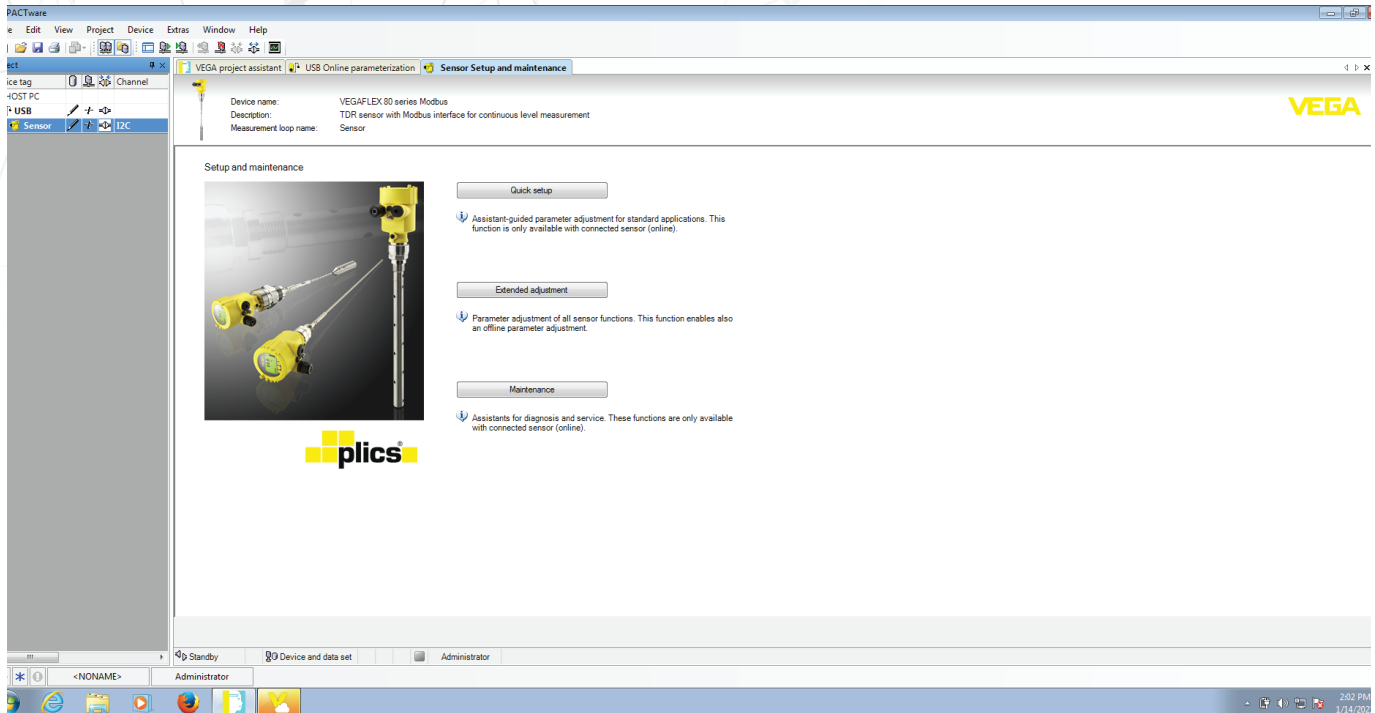- Left click 'Sensor' on left panel > 'Topology Scan' verify that device type shows VegaFlex 80 series
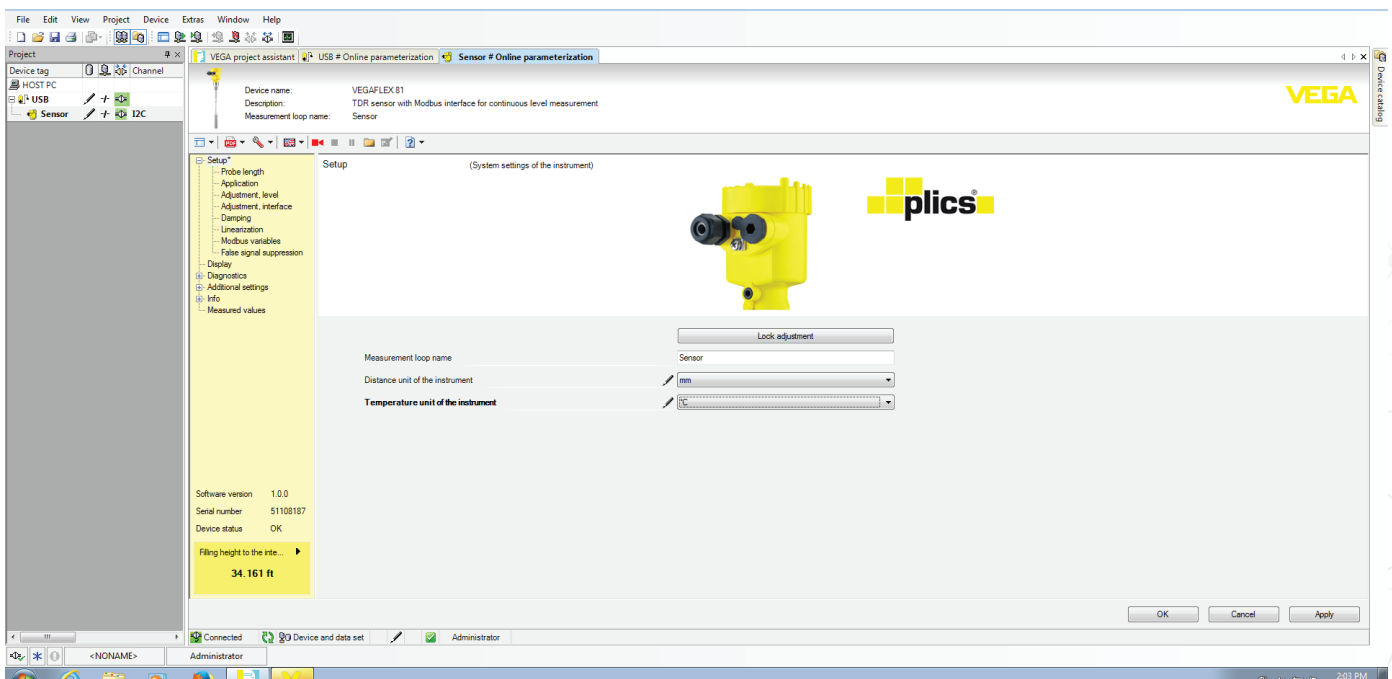
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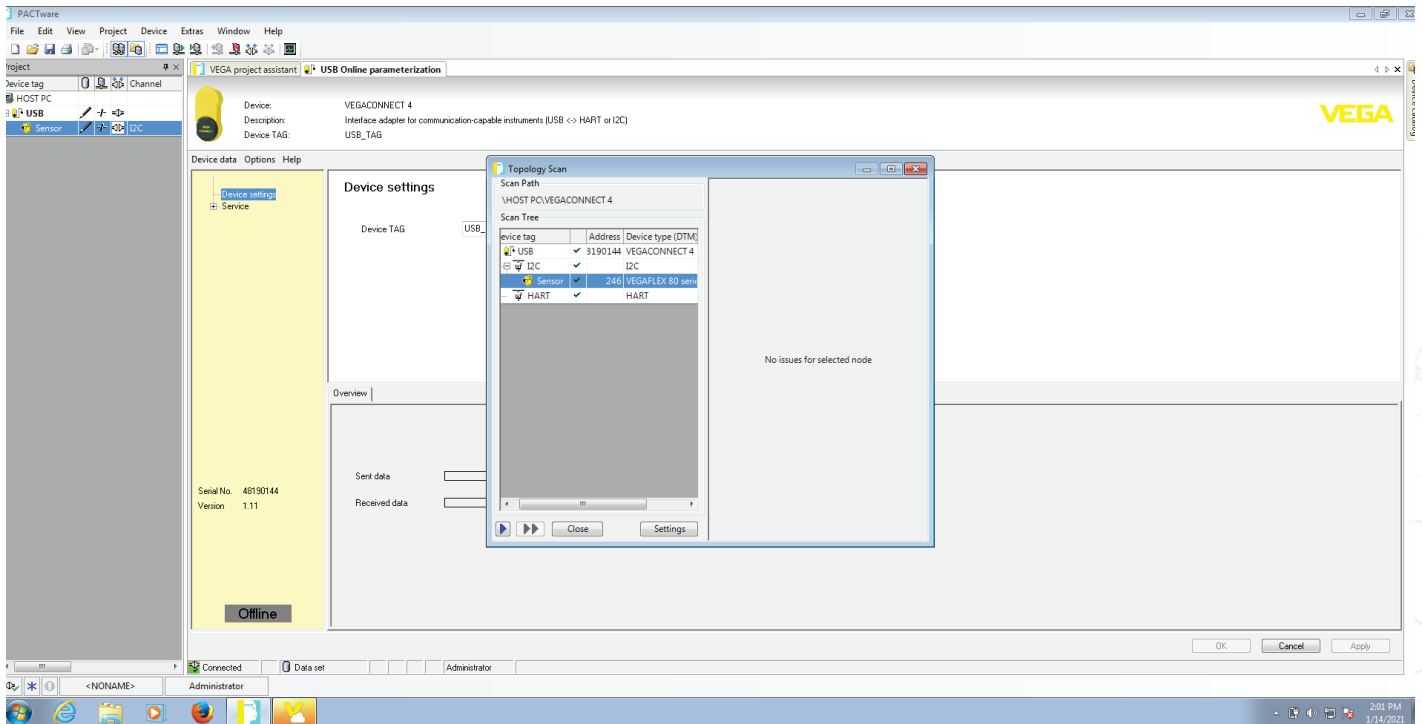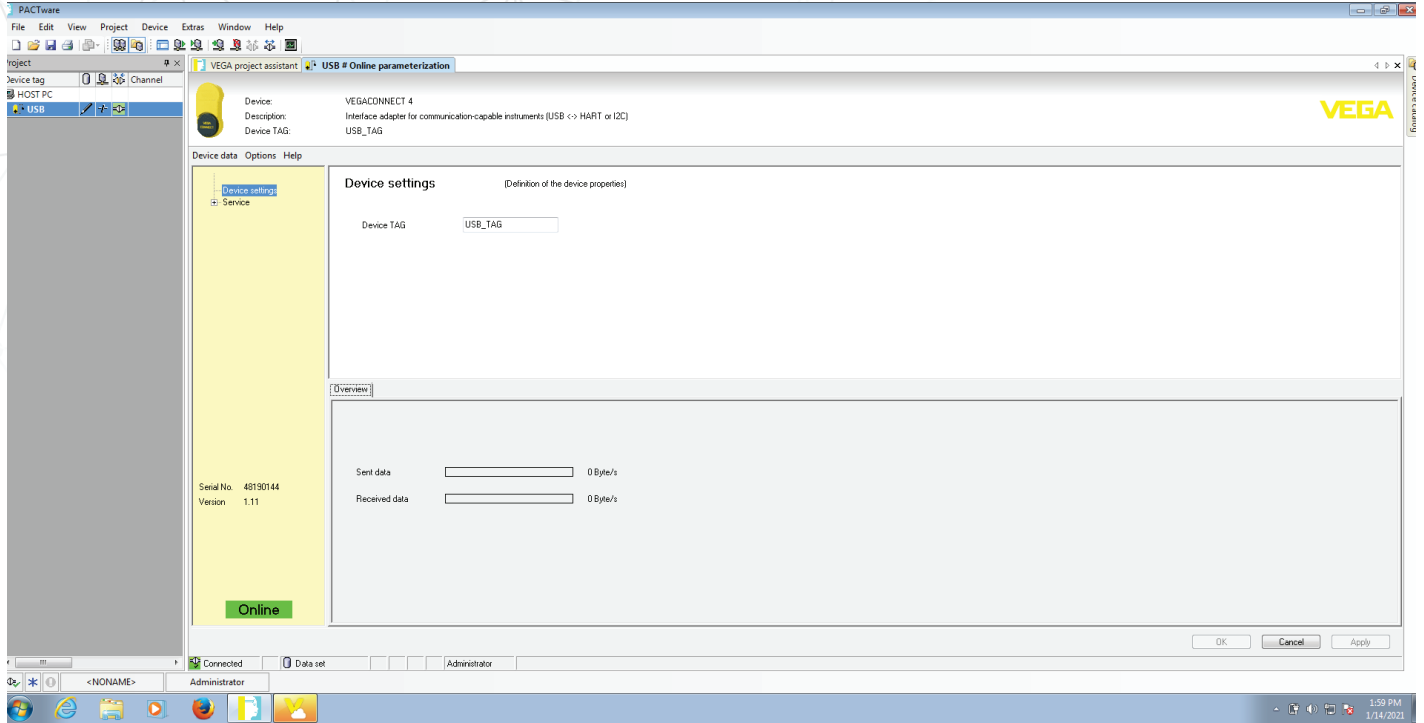
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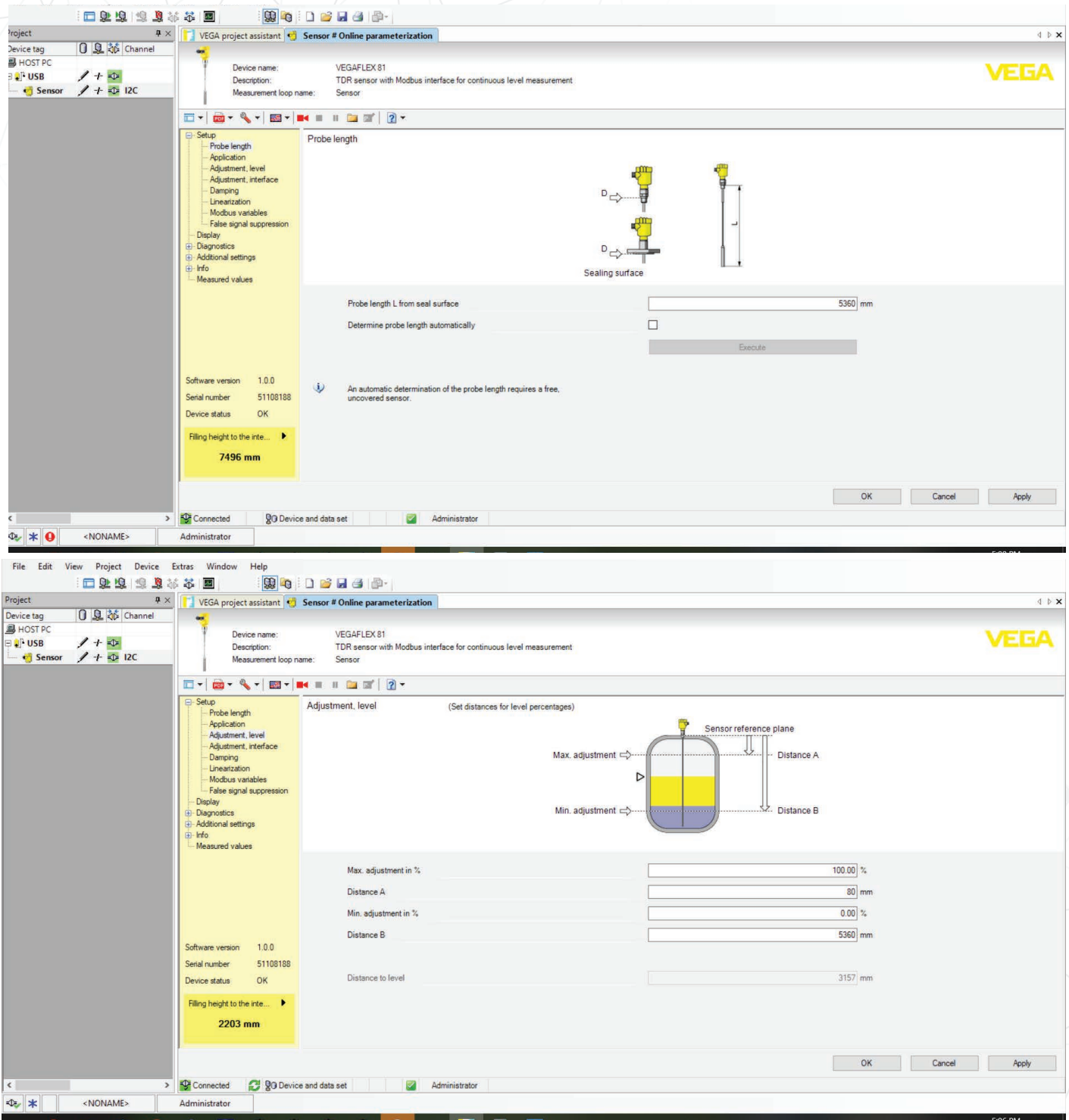12) Select Extended Adjustment

13) Select Setup on the configuration tree, then set Distance Units to "mm" and Temperature Unit to "C"
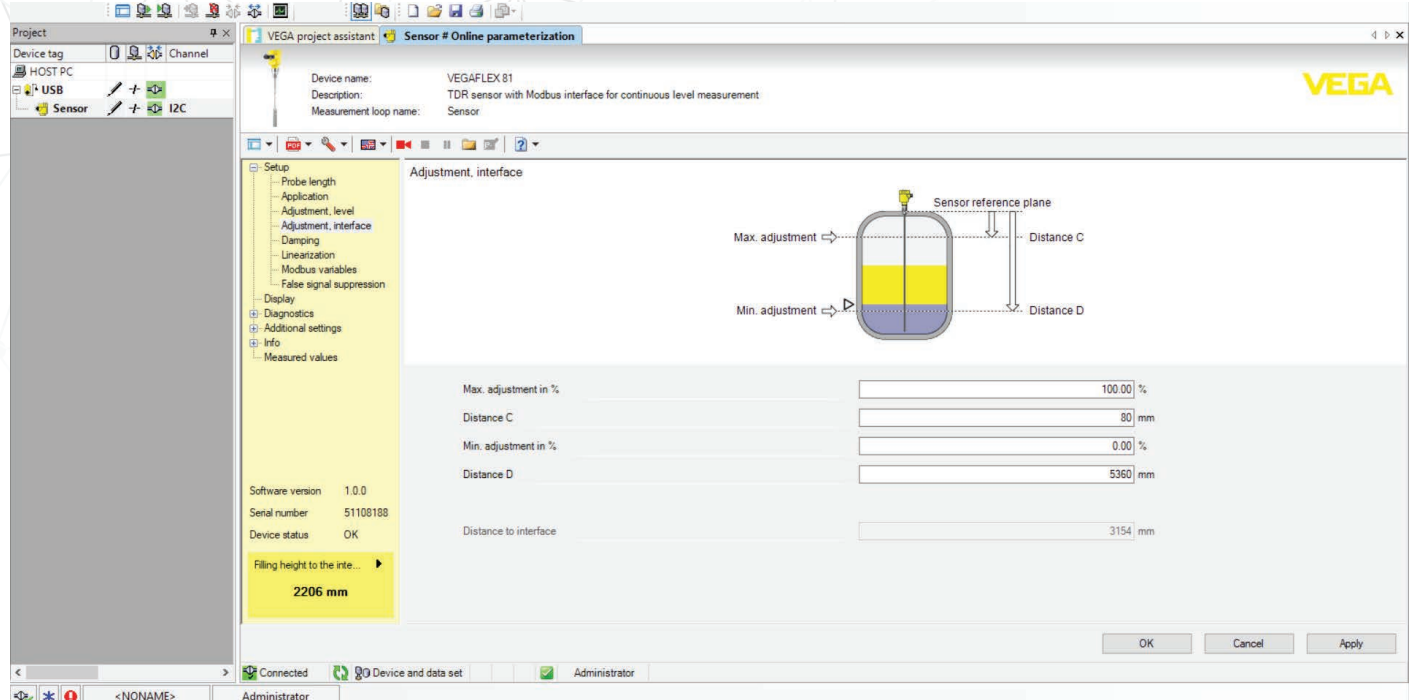
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14) Set probe length on the configuration tree and enter the value recorded from Step 1
15) Adjustment Level - Distance B and Adjustment Interface – Distance B needs to be set to value from Step 1
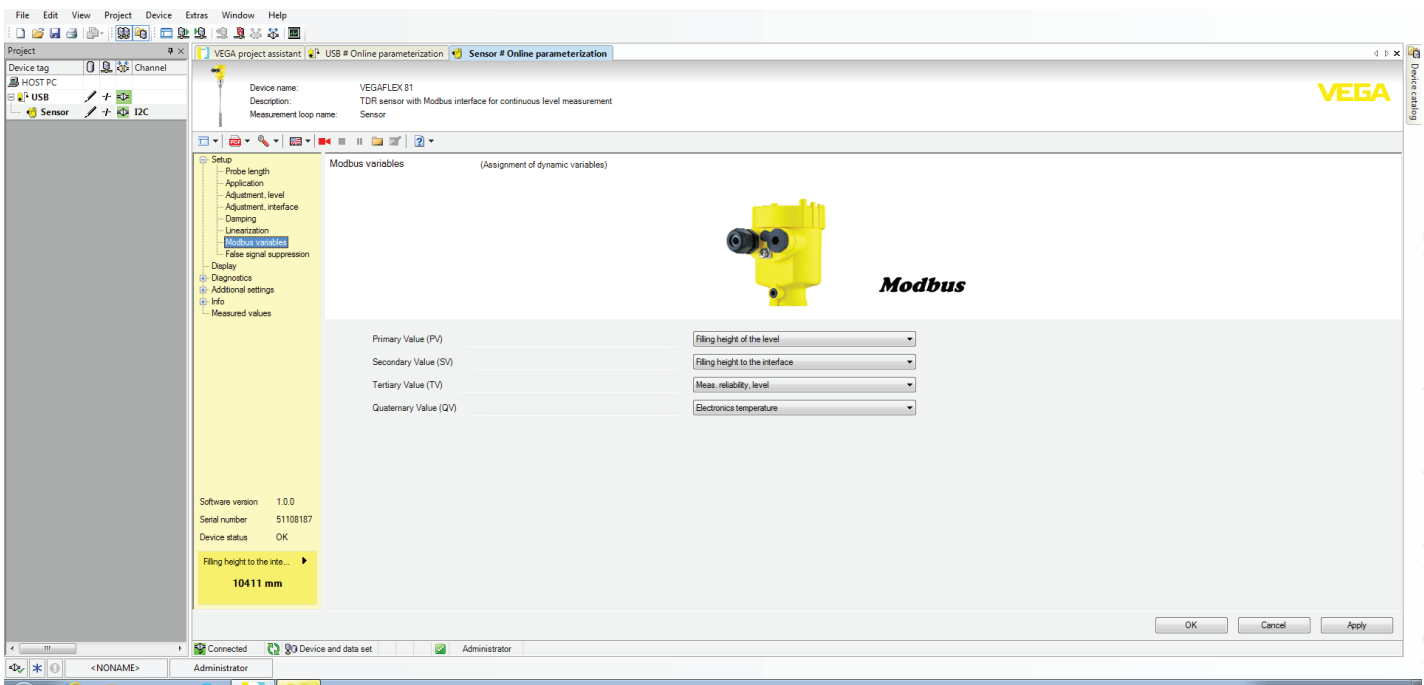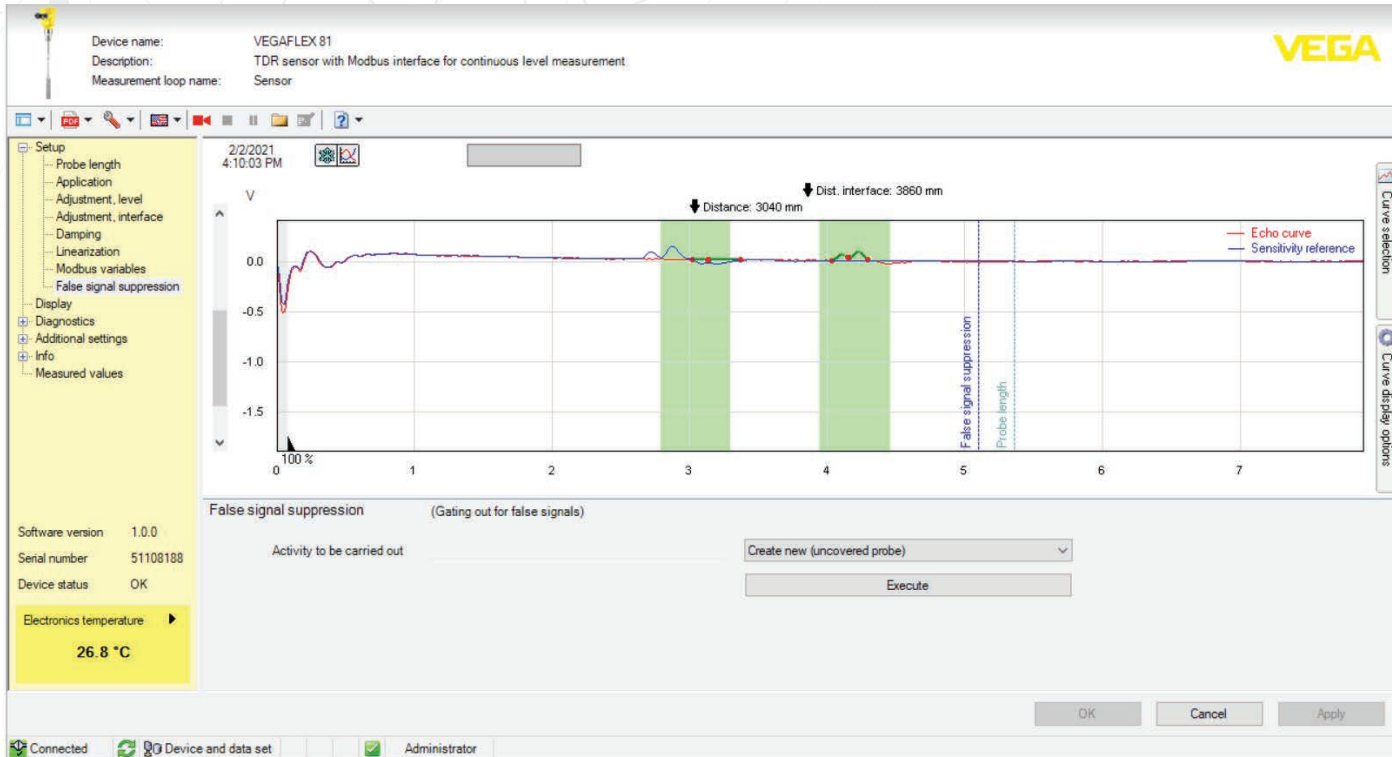
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16)   Select Modbus Variables on the configuration tree, then set the following:
- PV should be set to Filling Height of the Level
- SV should be set to Filling Height of the Interface
- TV should be set to Meas. Reliability, level
- QV should be set to Electronics Temperature

17) Select false signal suppression on the configuration tree
- Select covered probe
  i. Use distance NOT distance interface. Set 5-10mm higher than Distance (in this specific instance Create New covered probe. Set distance at 3045-3050mm
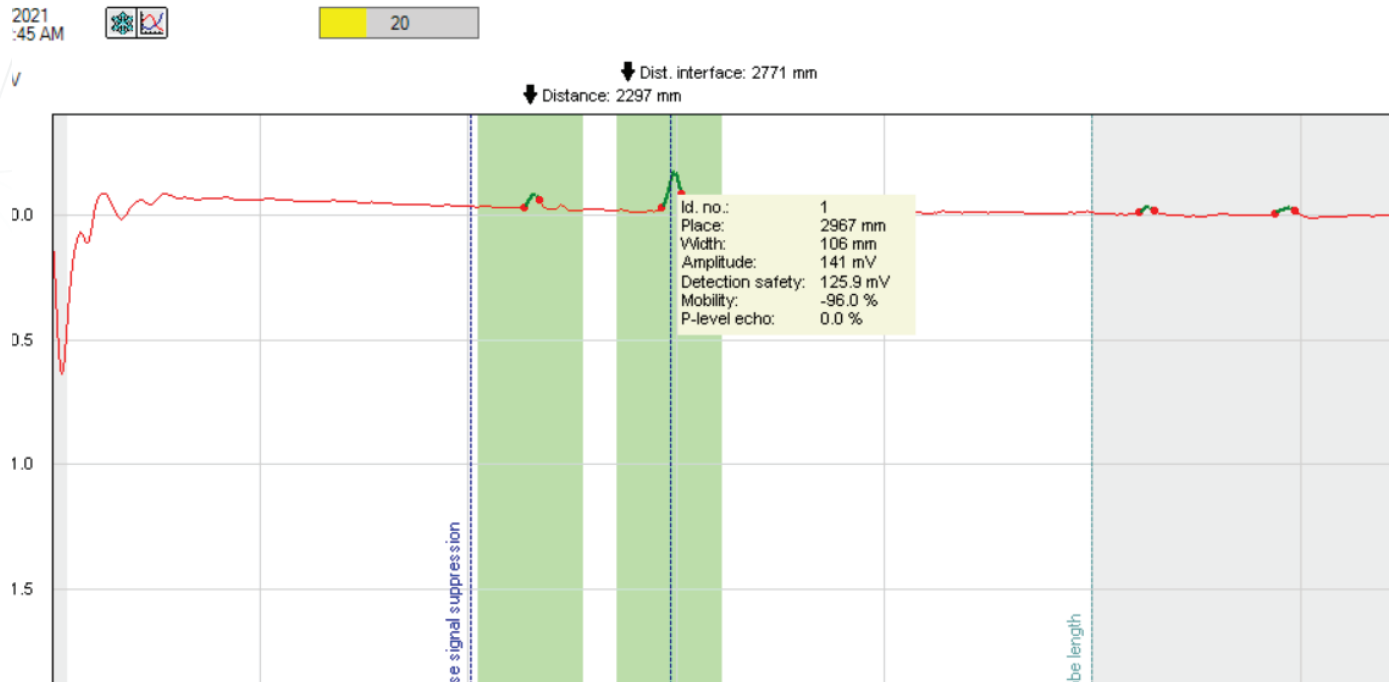

18) Press Apply to Save the changes to the Sensor

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20) Verify Amplitude mV reading, modify special parameter 34 if needed. You must login to service mode. Select the wrench, password is 'sw'
- Upper layer thickness won't detect properly if special parameter 34 is too high. Must be lower than Amplitude mV reading on Dist. Interface echo.

Testing / Confirmation Steps

21) If three separate echoes are detected change special parameter 35 to 'Largest echo'

22) Leave sensor powered for the remainder of the 30 minutes, you should get some readings during that time, then compare the readings to the first AssetPack report in the portal to make sure the numbers look the same.

23) Close the PACTware GUI

24) Unplug the VEGA Connect from the Computer

25) Unplug the VEGA Connect from the black puck on the sensor

26) Remove the Black puck from the sensor

27) Replace the Yellow Cover on the VEGA sensor

FINAL STEP

Call Pedigree Technologies installation support with the information listed below to confirm and finalize the installation.

701-499-0022
You will be prompted for the following information during the set up process

- Device IMEI

- Name of Asset (ex. Goosneck 51)

- Make and Model

- SN/VIN #

- License plate #