

HDM and DTM Quick-Guide

Installation

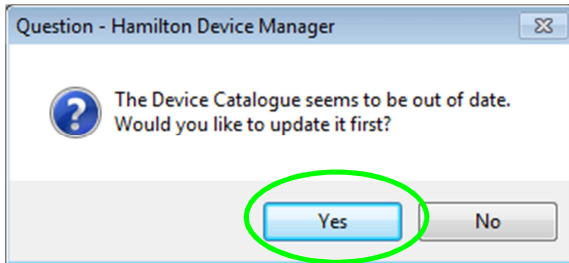
1. For installation administrator rights on the PC are necessary.
2. Unpack the downloaded ZIP-Files.
3. Install the "Hamilton Device Manager" (Hamilton FDT Framework Program) by double-clicking on "setup.exe" in the subfolder "HDM_V1-0-0_Setup" and follow the steps with selecting the defaults.
4. Install the "Arc Sensor DTM" (Hamilton Communication DTM and Device DTM) by double-clicking on "ArcSensorDTM_V1.2.0_Setup.msi" and follow the steps with selecting the defaults.
To guide you see enclosed "DTM_Installation_Guide.txt".

First Steps

1. Start "HDM" by double-clicking the icon on the desktop or selecting "Start" – "All Programs" – "Hamilton" – "Hamilton Device Manager".

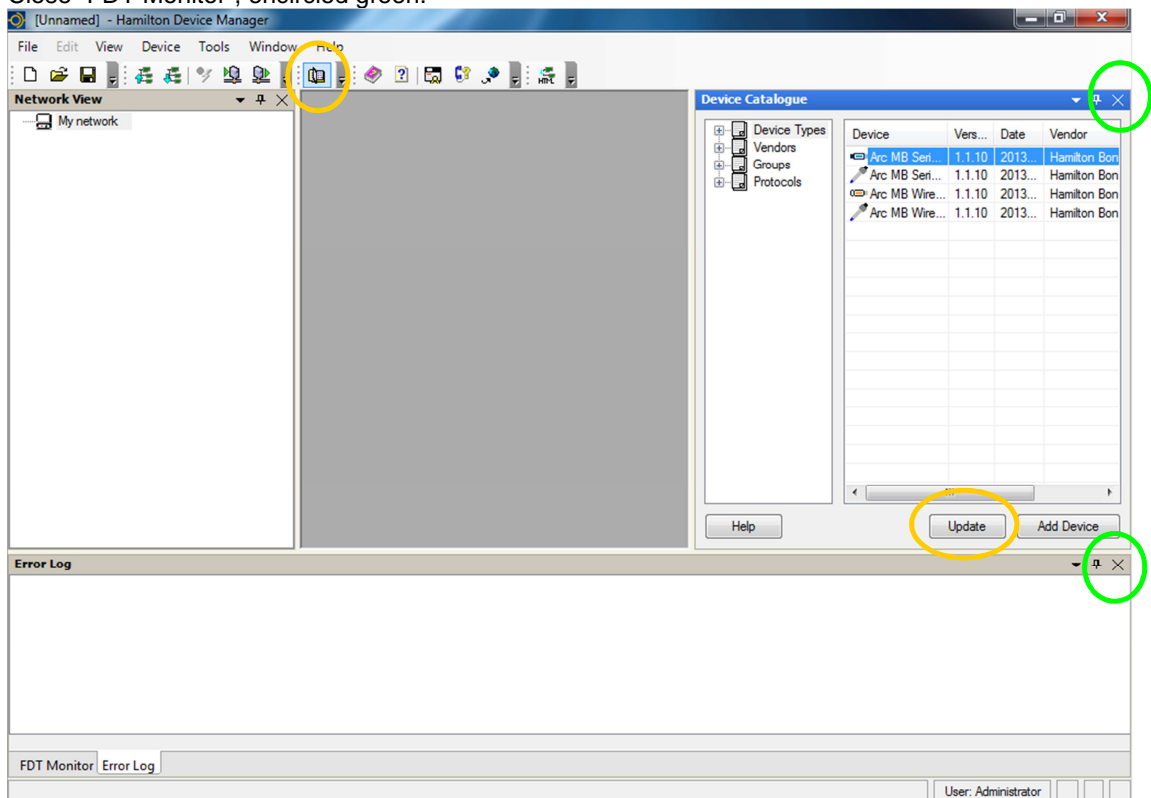


2. Click "Yes".

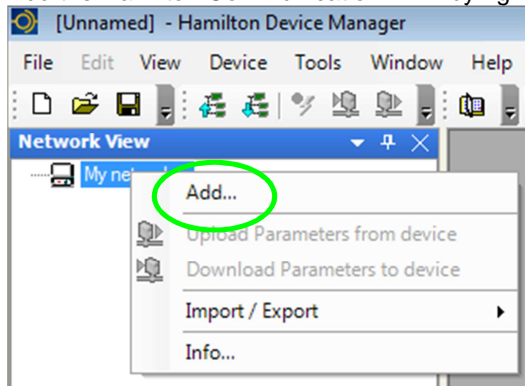


3. If the first time after installation of a new version "Arc Sensor DTM" the question window in step 2 did not appear, then click the button "Device Catalogue Visibility" or select "View" – "Device Catalogue" to open the Device Catalogue, see step 4, encircled orange. Click on the "Update"-button in the window "Device Catalogue", encircled orange in step 4.

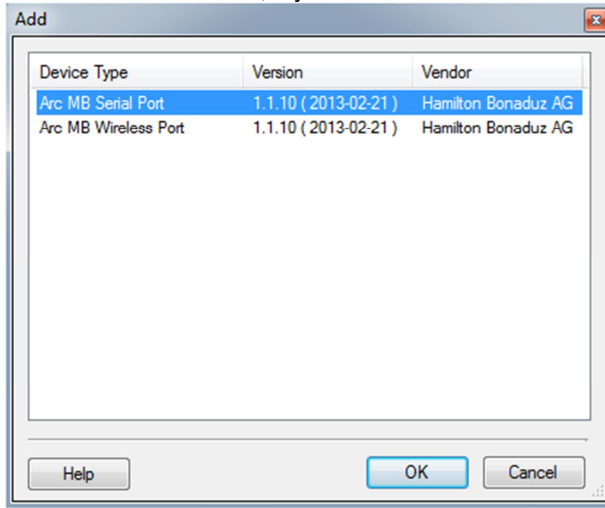
4. Close “Device Catalogue”, encircled green.
Close “Error Log”, encircled green.
Close “FDT Monitor”, encircled green.



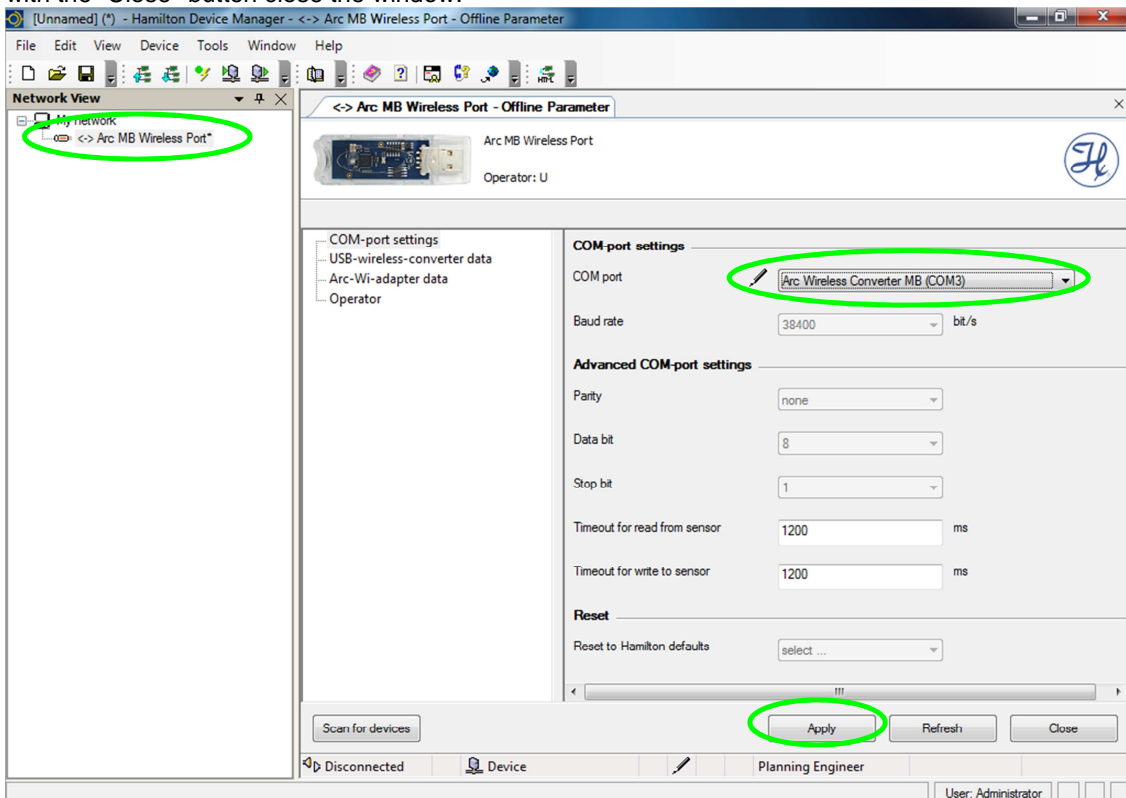
5. Add the Hamilton Communication DTM by right-clicking on “My network” and selecting “Add ...”.



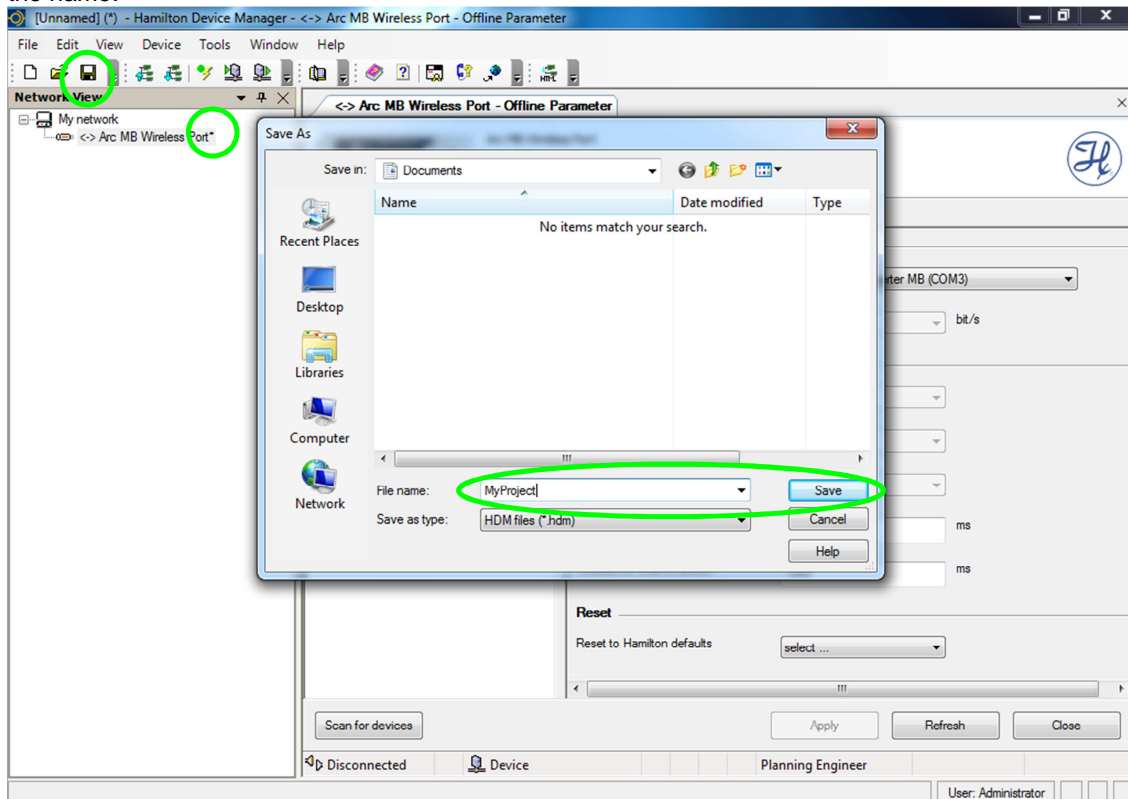
6. Select by “OK” or double-click the item
 “Arc MB Serial Port”, if you have a wired Modbus network,
 “Arc MB Wireless Port”, if you have Modbus Sensors with Arc Wi adapters on it,



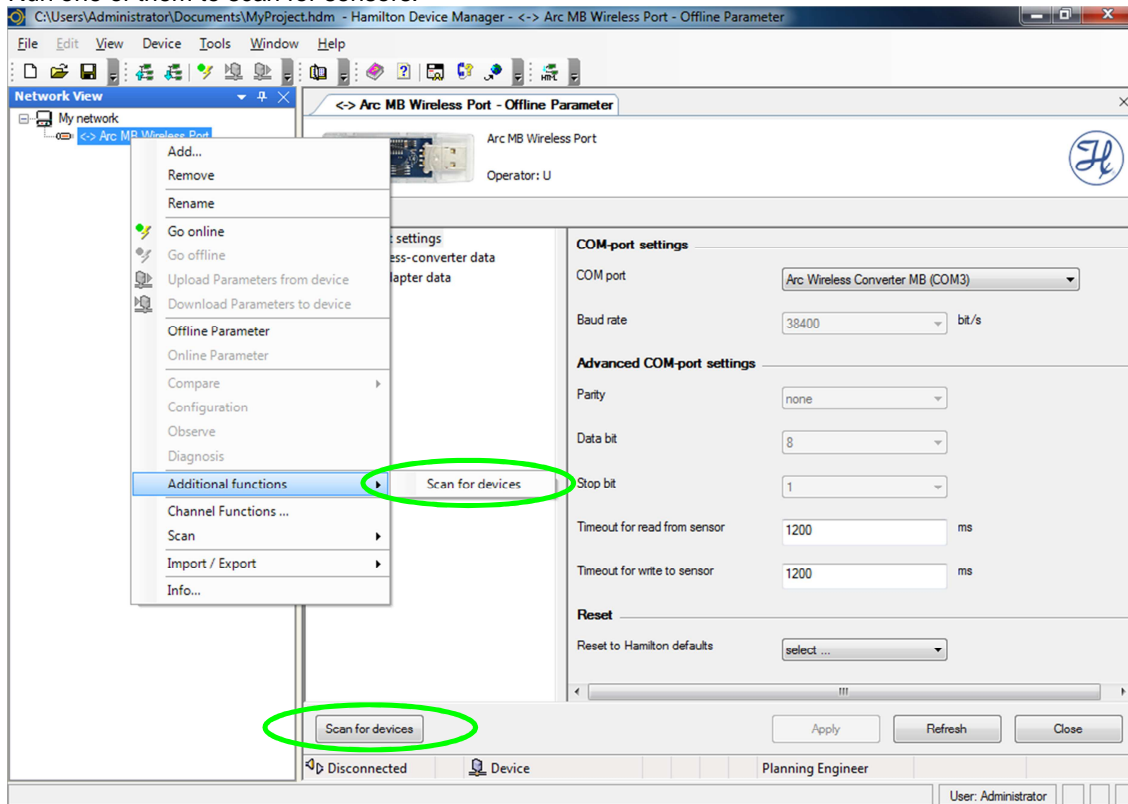
7. To adjust the communication settings, double-click on the added Communication DTM. This works only if the communication with the sensor is off-line (normal type), see also point 10. Select the “COM port”, where the sensor is connected and click “Apply”.
 With the “Apply”-button commit settings,
 with the “Refresh”-button refuse unapplied changes or refresh the view and
 with the “Close”-button close the window.



8. You can save your project settings. Therefore click the “Save”-button. To reload an existing project, double-click on the according file name “MyProject.hdm”. Unsaved changes are marked with * behind the name.



9. In the “Offline Parameter”-View there is a button “Scan for devices”. Another possibility is to right-click in the “Network View” on the Communication DTM item. Select in the tree by “Additional functions” “Scan for devices”. Run one of them to scan for sensors.



10. The sensors found are listed in the “Network View”, added with Device DTMs to the Communication DTM.

Arc MB Serial Port: The address-number is the device address of the sensor.

Arc MB Wireless Port: The address-number is the radio frequency link ID of the sensor.

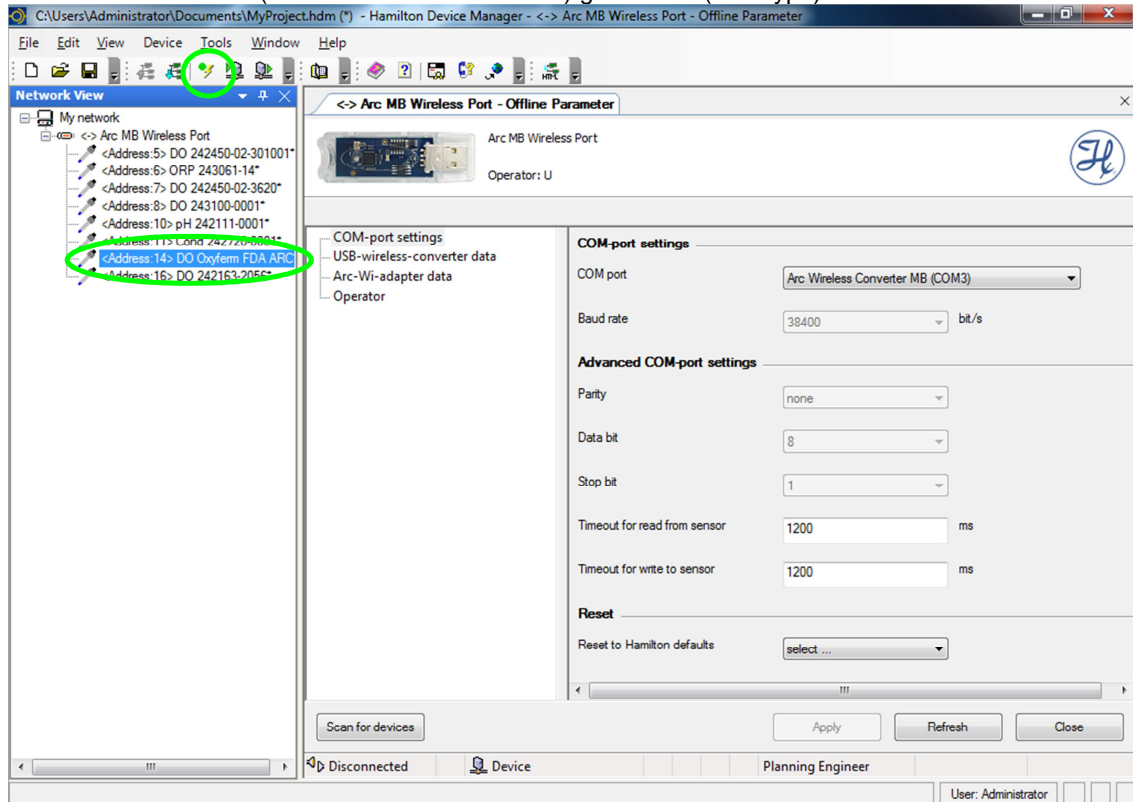
The description is the measuring point from the sensor.

To establish the connection to the sensor, mark the desired address-line of the Device DTM and click the button “Device On-line / Off-line” or right-click on it and select “Go online”.

The connection of the according DTM is on-line, if the text has bold type.

The connection of the according DTM is off-line, if the text has normal type.

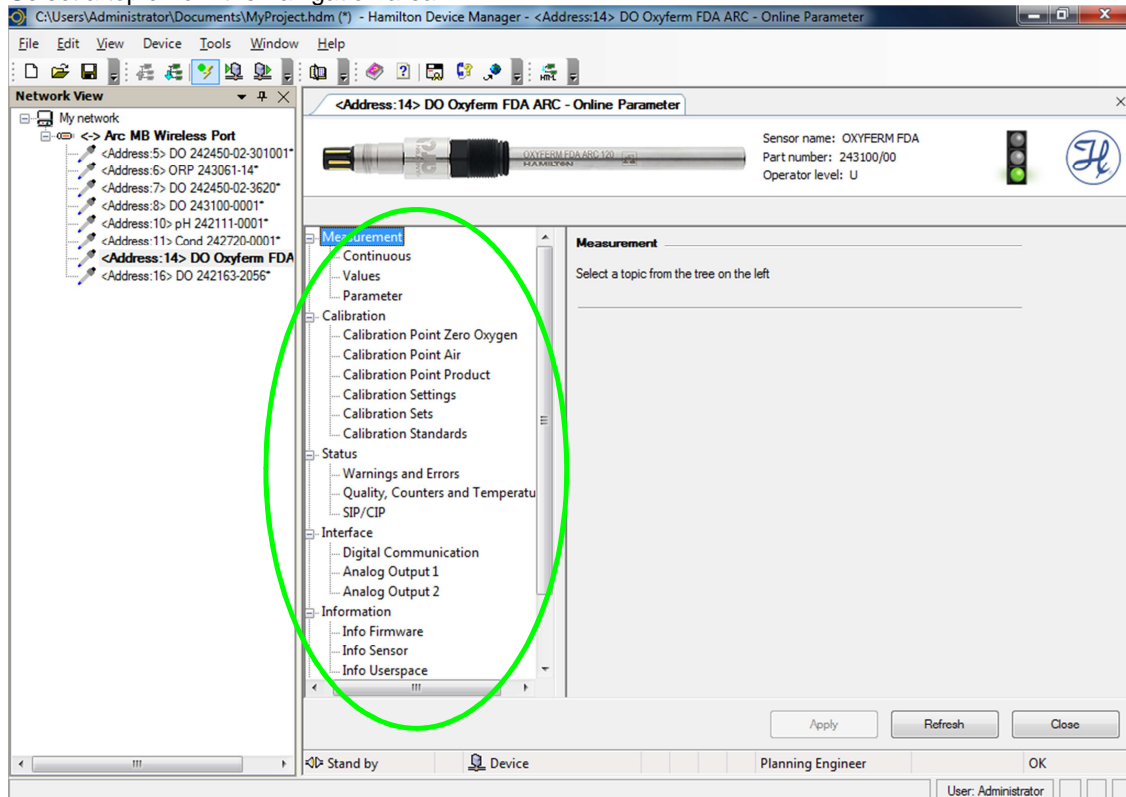
In this case both DTM (communication and device) get on-line (bold type).



11. In order to communicate with the desired sensor, the sensor needs to be connected as described in point 10 (bold type). Open the desired Device DTM by double-clicking on it or right-click on it and select "Online Parameter".

The view depends on the connected sensor and operator level.

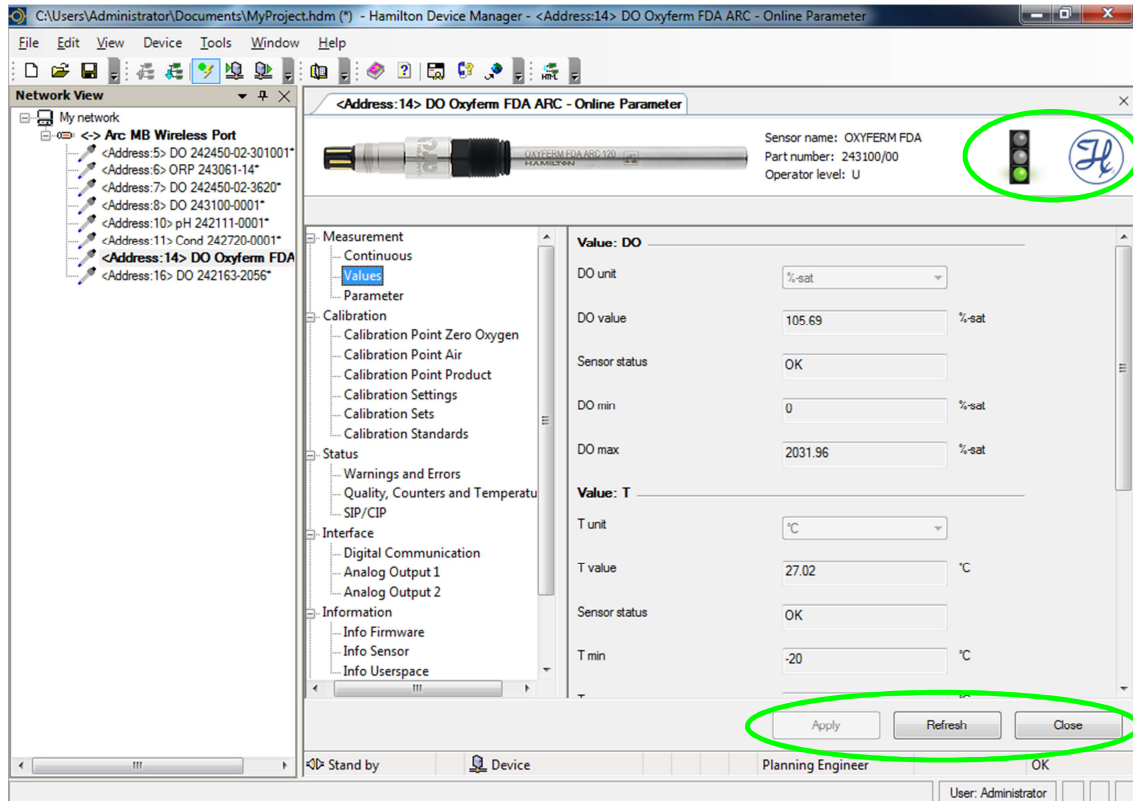
Select a topic from the navigation area.



12. The sensor picture contains a web-link to the product and beside there is some info about the sensor. The Hamilton-logo contains a web-link to the Hamilton-homepage and the traffic light shows an overview of the sensor-status:

green = OK
yellow = a warning is on
red = an error is on

Commit settings or send changes to the sensor with the “Apply”-button.
Refuse unapplied changes or refresh the view with the “Refresh”-button.
Close the window with the “Close”-button.



13. To disconnect mark the Communication DTM and click the button “Device On-line / Off-line” or right-click on it and select “Go offline”. Both DTM (communication and device) get off-line (normal type), see also point 10.

It is possible only to disconnect the Device DTM, so mark it and click the button “Device On-line / Off-line”. In this case only the Device DTM get off-line (normal type), the Communication DTM remains on-line for further use (**bold type**).

