

# HDM and DTM Quick-Guide

## Installation

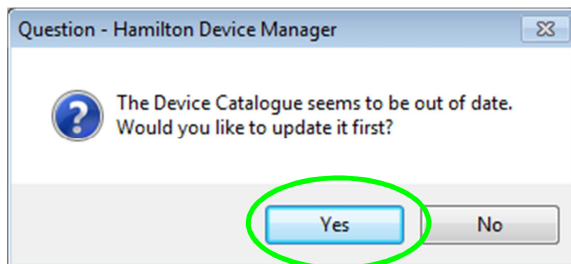
1. For installation administrator rights on the computer are required.
2. Unpack the downloaded ZIP-Files.
3. Install the "Hamilton Device Manager" (Hamilton FDT framework program) by double-clicking on "setup.exe" and follow the steps with selecting the defaults.  
To guide you see enclosed "HDM\_Installation\_Guide.txt".
4. Install the "Arc Sensor DTM" (Hamilton communication DTM and device DTM) by double-clicking on "ArcSensorDTM\_x.x.x\_Setup.msi" (x = version-numbers) and follow the steps with selecting the defaults.  
To guide you see enclosed "DTM\_Installation\_Guide.txt".

## First Steps

1. Start "HDM" or your preferred FDT frame application by double-clicking the icon on the desktop.  
Alternative select "Start" – "All Programs" – "Hamilton" – "Hamilton Device Manager".

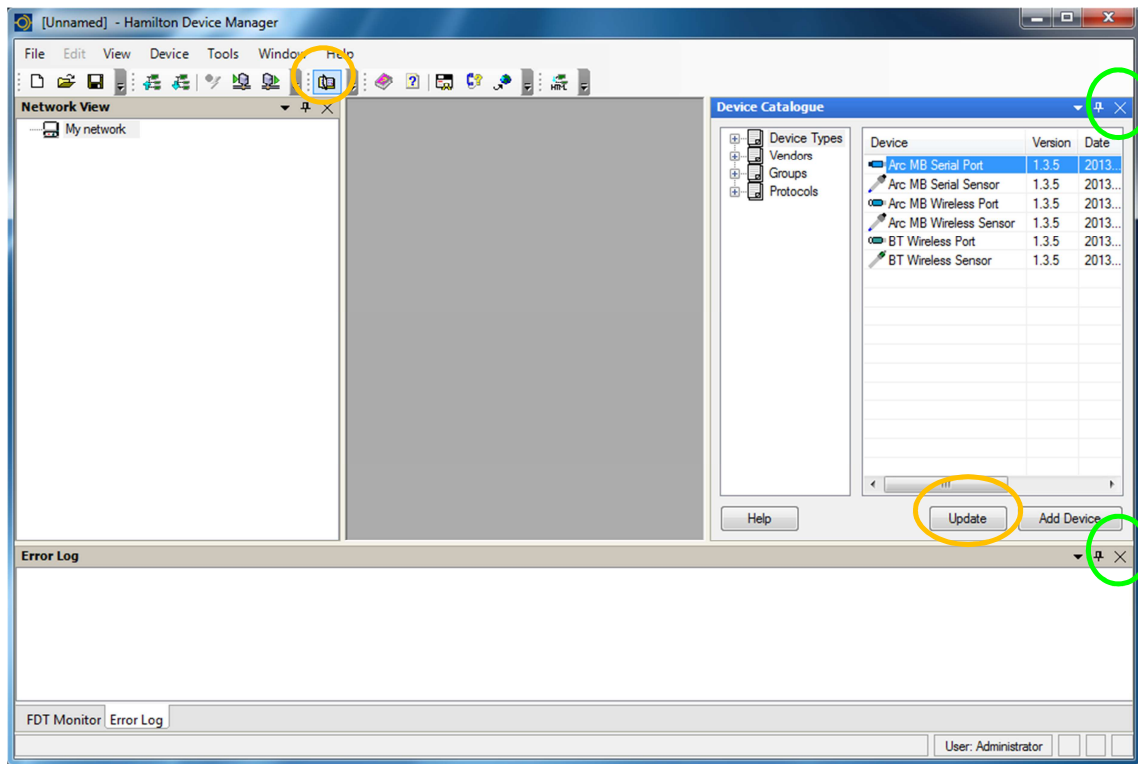


2. The first time after installation of HDM and DTM, this question is skipped and done automatically.  
If you have updated the "Arc Sensor DTM" to a newer version, at the first use of HDM this question is to answer with "Yes".

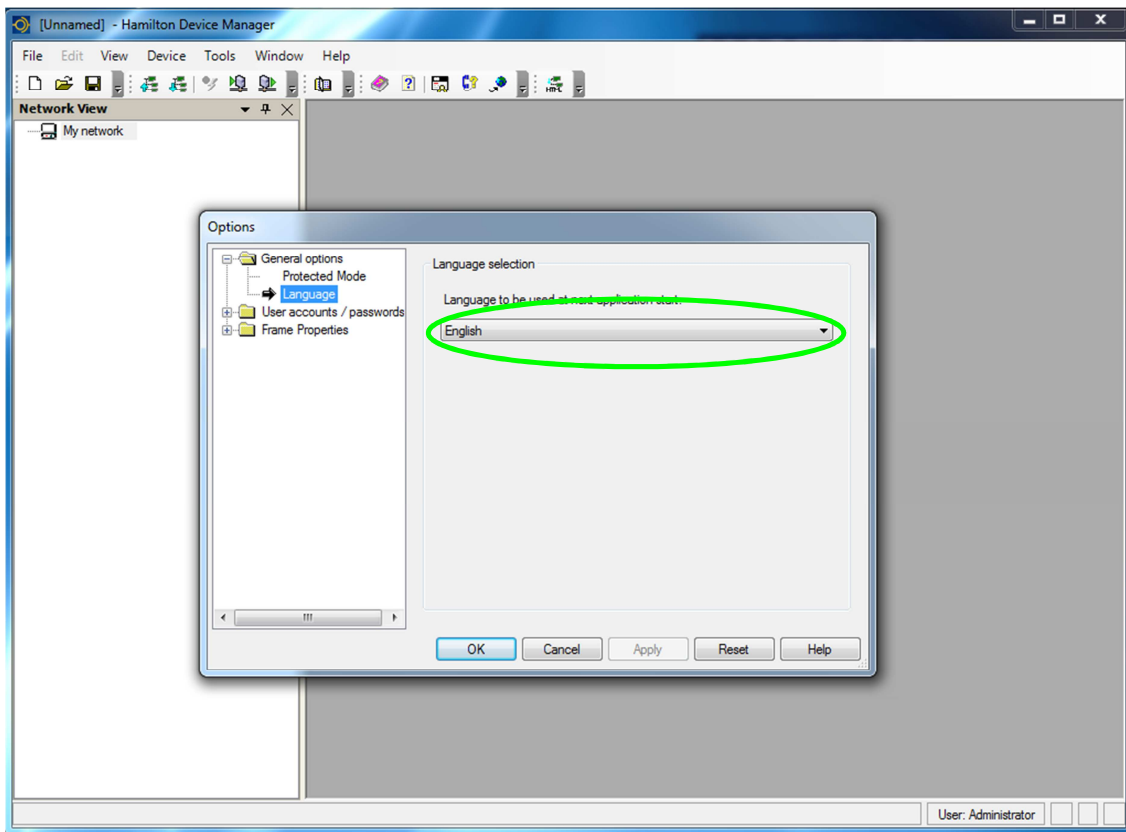


If you have updated your DTMs and this question does not appear, click the button "Device Catalogue Visibility" or select "View" – "Device Catalogue" to open the "Device Catalogue", see point 3 encircled in orange. Then click in the window "Device Catalogue" on the "Update" button, encircled in orange in point 3.

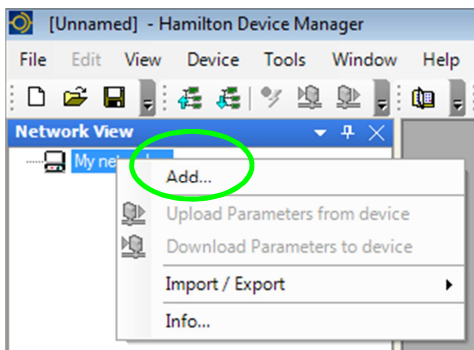
3. Close “Device Catalogue”, encircled green.  
Close “Error Log”, encircled green.  
Close “FDT Monitor”, encircled green.



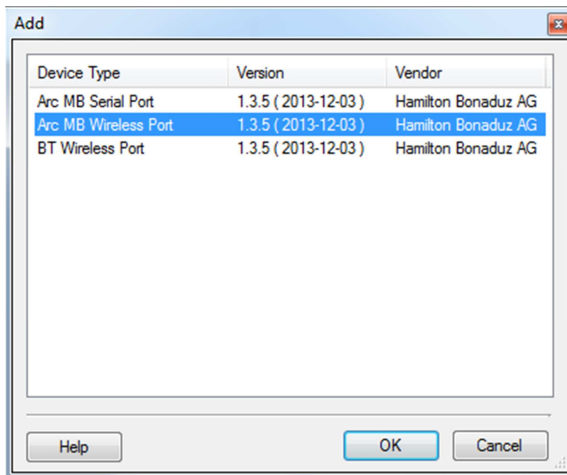
4. If you want to set your preferred language, select “Tools” – “Options...” and in the Options window “General options” – “Language”. Accept the changes with “Apply”. In order to take effect close and reopen HDM. HDM and DTM are now running with your selected language.



5. Add a Hamilton communication DTM by right-clicking on “My network” with selecting “Add...”.

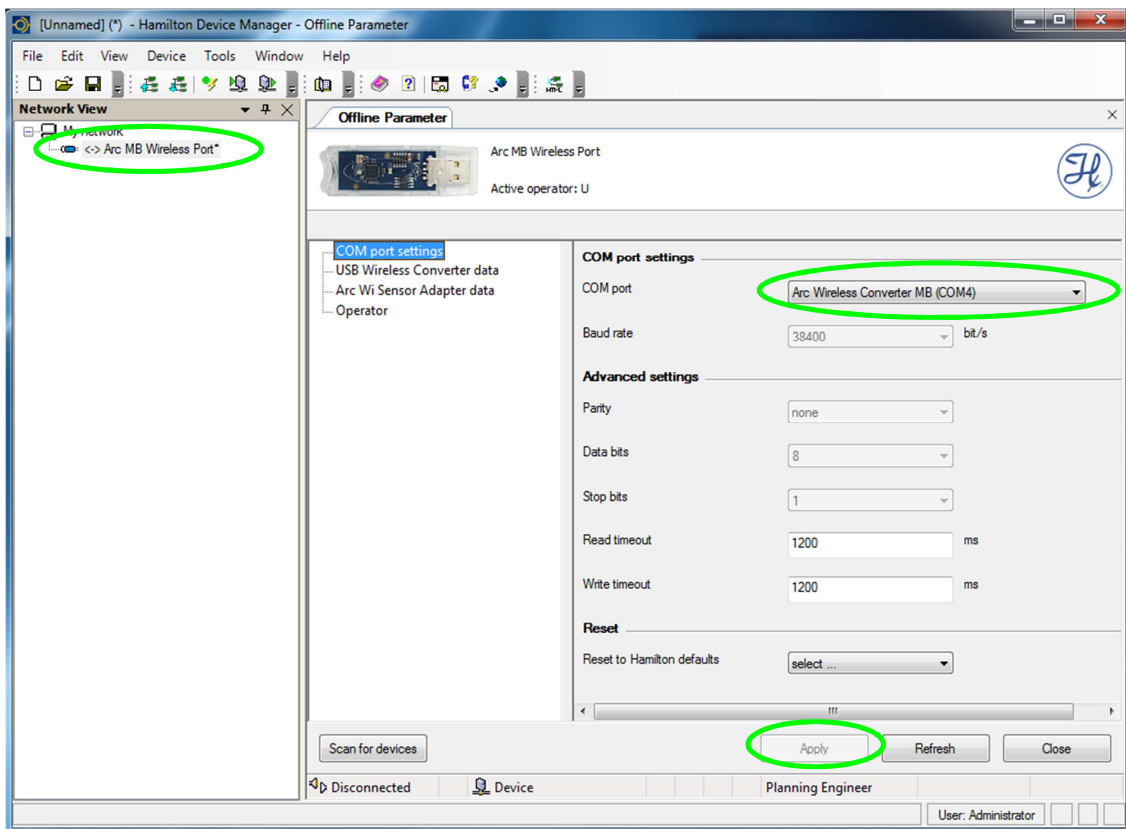


6. Select the communication DTM and click “OK” or double-click the item:
- “Arc MB Serial Port”, for a wired Modbus network
  - “Arc MB Wireless Port”, for wireless communication with Modbus Sensors (using Arc Wireless Adapters on the sensor)
  - “BT Wireless Port”, for wireless communication with HART Sensors.

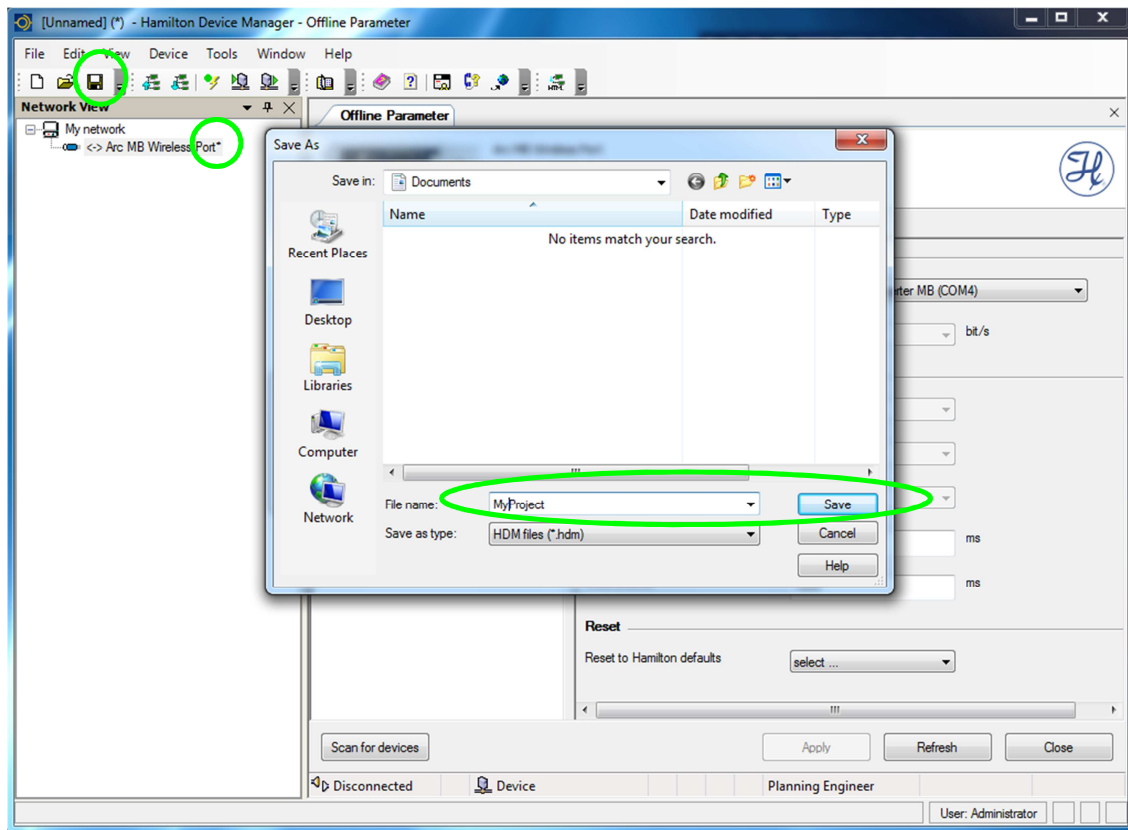


7. The view “COM-port settings” opens automatically. If not, double-click on the added communication DTM to adjust the communication settings. This works only if the communication with the sensor is offline (normal type), see also point 10. A matching “COM port” is pre-set, but you can as well select the COM port of another connected converter and confirm with “Apply”.

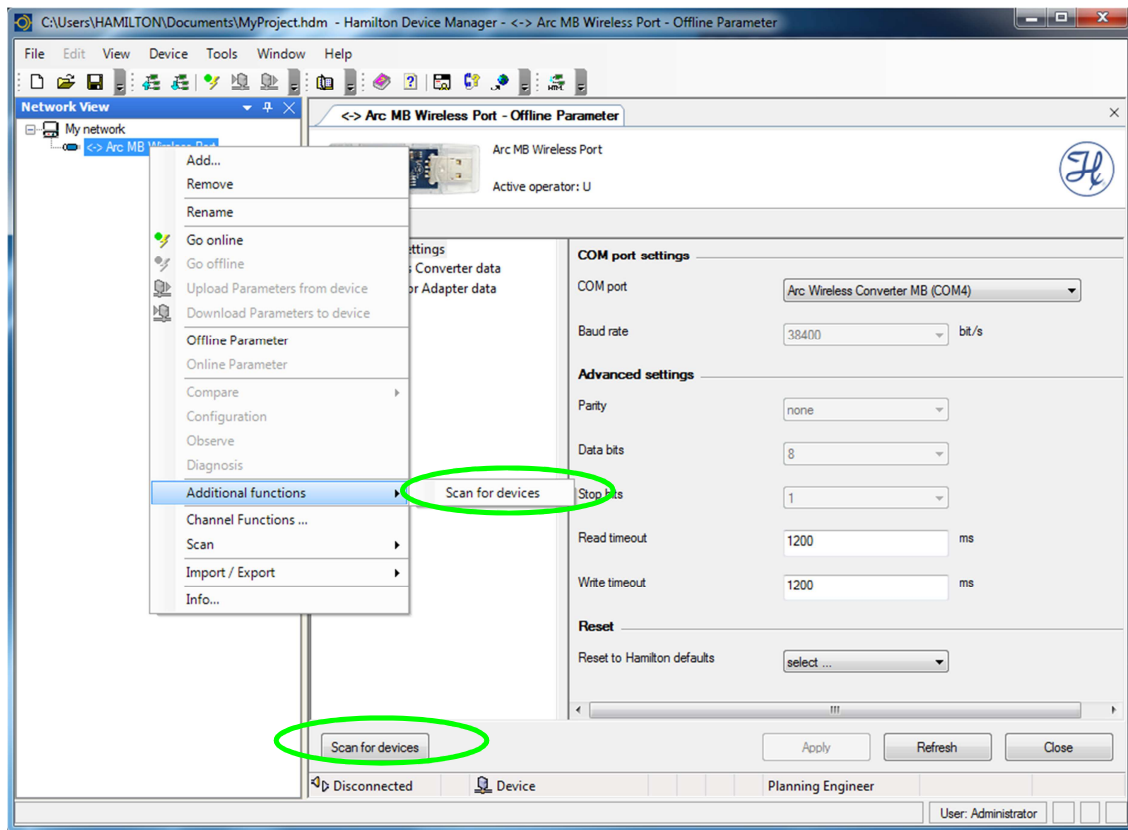
With the button “Apply” commit settings,  
with the button “Refresh” refuse unapplied changes and refresh the view and  
with the button “Close” close the window.



8. You can save your project settings by using 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. To scan for available sensors, either use the button “Scan for devices” in the “Offline Parameter”-view, or right-click in the “Network View” on the communication DTM item and select in the tree “Additional functions” – “Scan for devices”.



10. The sensors found are listed in the “Network View” as device DTMs that have been added to the communication DTM.

For “Arc MB Serial Port” the address-number is the device address of the sensor.

For “Arc MB Wireless Port” the address-number is the radio frequency link ID to the sensor.

For “BT Wireless Port” the address-number is the radio frequency link ID to the sensor.

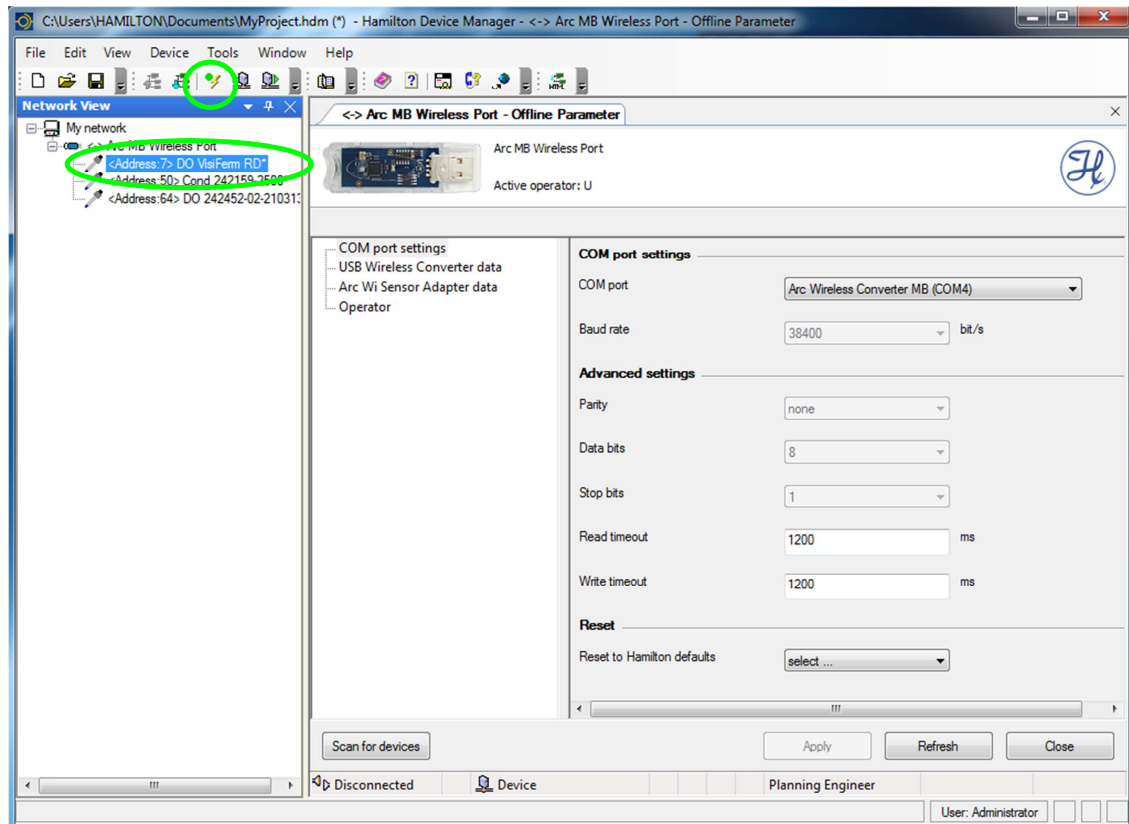
The description shows the measuring point of the sensor.

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 the device DTM and select “Go online”.

The connection of the according DTM is online, if the text has bold type.

The connection of the according DTM is offline, if the text has normal type.

In this case both DTM (communication and device) get online (bold type).



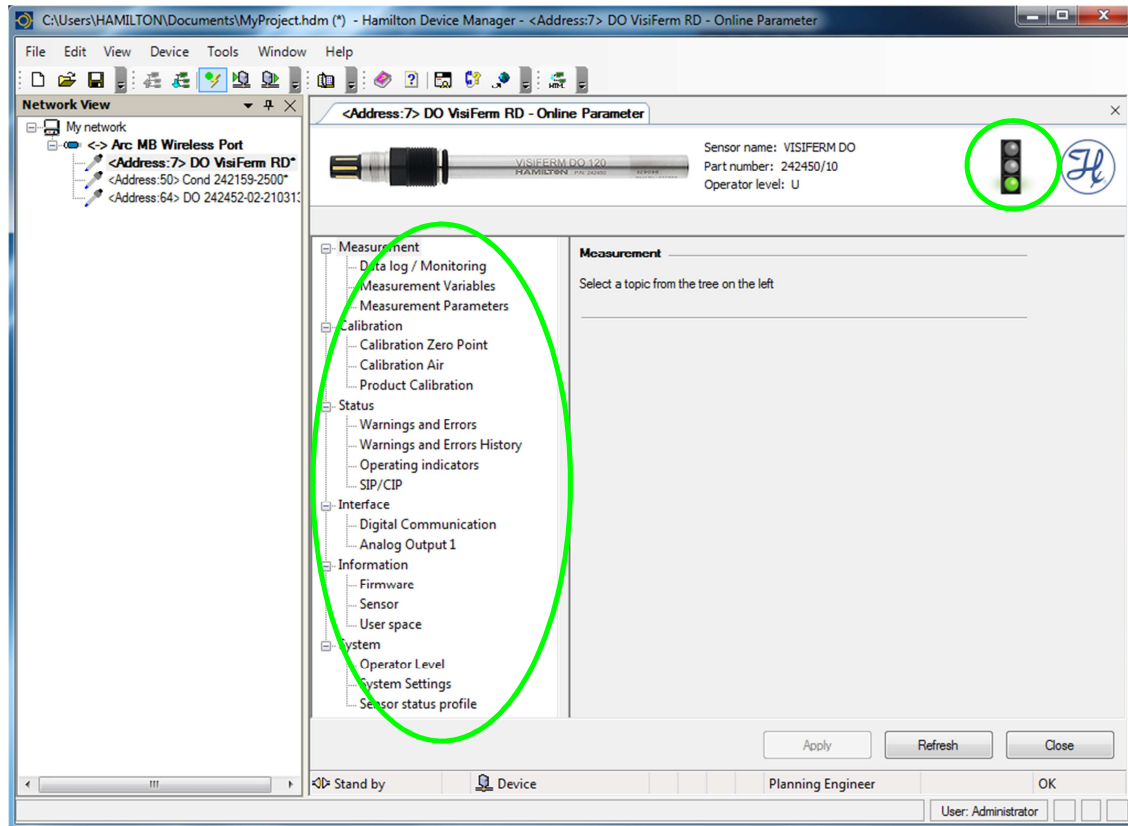
11. In order to communicate with the desired sensor, the sensor needs to be connected as described in point 10 (bold type).

Open the device DTM by double-clicking on it or right-click on it and select "Online Parameter".

The view depends on the connected sensor and sensor's operator level. Select a topic from the navigation area.

The sensor picture contains a web-link to the product and beside there is information 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:

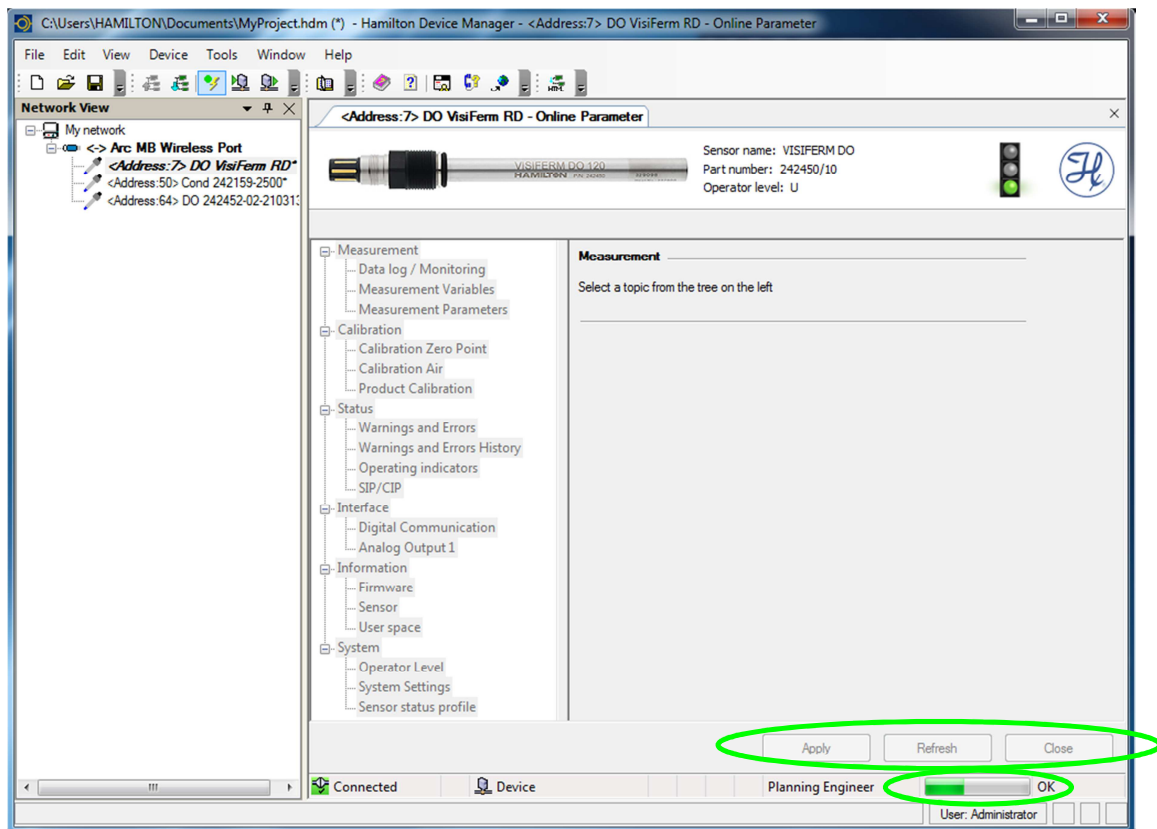
green = OK  
yellow = a sensor warning is active  
red = an sensor error is active





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

If a command takes several seconds, a progress-bar shows the activity and the view is blocked for further actions.



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

It is possible only to disconnect the device DTM, to do so mark it and click the button “Device On-line / Off-line”. In this case only the device DTM goes offline (normal type), the communication DTM remains online for further use (bold type).

