



**FS24X/FS20X Flame Detector**

# 1 Content

2	Introduction .....	1
3	Software installation .....	2
3.1	Required software / software components .....	2
3.2	DTM Toolkit downloads .....	2
3.3	System requirements.....	2
3.3.1	System resources .....	2
3.3.2	Operating systems.....	2
3.3.3	Hard disk space .....	3
3.4	Installing DTM setup.....	3
4	Operation .....	7
4.1	Establish connection with the device.....	7
4.1.1	Possible problems while connecting to device .....	12
4.1.2	Setting HART polling address .....	13
4.1.3	Device manuals .....	15
4.2	Topology scan .....	15
4.3	PACTware menu structure and items .....	18
4.3.1	DTM specific menu items .....	18
4.3.2	Frame specific menu items.....	18
4.4	Operation .....	19
4.4.1	DTM graphical user interface .....	19
4.5	Create a project .....	21
5	Online function of the device type .....	21
5.1	Measured value function .....	21
5.2	Diagnosis function .....	23
5.3	Online parameterization function.....	23
5.3.1	First "Tab": Process Variables .....	24
5.3.2	Second "Tab": Basic Setup.....	25
5.3.3	Third "Tab": Detailed Setup .....	26
5.3.4	Fourth "Tab": Review .....	27
6	Offline parameterization function.....	27
6.1	Load from device .....	30
6.2	Store to device.....	31
7	Print .....	31

## 2 Introduction

The purpose of this document is to support the plant operators with commissioning, operation, configuration and diagnosis of the FS24X/FS20X Rev 1. The FS24X is the latest generation high technology Multi-Spectrum Triple IR (IR/IR/IR/Visible) Fire and Flame detector and the FS20X is the latest generation high technology Multi-Spectrum (UV/Dual IR/VIS) Fire and Flame detector.

The FS24X/FS20X device can be configured and operated by a device type, managed by a DTM (Device Type Manager) that provides an easy to use user interface for accessing device variables, configuration parameters and diagnosis information.

The FS24X/FS20X device should have one optional HART module installed to use HART communication. Please contact Honeywell representatives for the part numbers and availability.

The FS24X/FS20X device type offers the combination of FDT and EDDL technologies and a uniform user interface according to the FDT style guide. It is a full-featured device DTM that carries the standard EDD-Interpreter components to execute the EDD during runtime. Because it is using existing device descriptions, plant operators will experience a familiar operating concept in the DTM.

### **WARNING**

***For safety reasons this equipment must be operated by qualified personnel only. Read and understand the instruction manual completely before operating or servicing the equipment. For information regarding the FS24X/FS20X device, please check the Technical Manual (see § )***

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## 3 Software installation

### 3.1 Required software / software components

In order to be able to use the FS24X/FS20X HART DTM and to go online with the device you need the following components:

- FDT Frame application (PACTware or some other FDT application supporting FDT 1.2.x)
- HART Communication DTM (it represents the communication hardware needed for connecting the field devices to the automation software): There is a free version of HART Communication DTM available for download from CodeWrights website ([www.codewrights.de](http://www.codewrights.de))
- Honeywell Analytics HART DTM Library
- Microsoft .NET Framework 3.5 (incl. Service Packs)/CRL2
- HART modem (RS232 or USB interfaces of the companies Endress+Hauser, Microflex or MACTek)

### 3.2 DTM Toolkit downloads

Go to one of FS24X/FS20X website:

- <https://www.honeywellanalytics.com/en/products/FS20X-Flame-Detector>
- <https://www.honeywellanalytics.com/en/products/FS24X-Flame-Detector>

Select "Software"

Select "Drivers & Downloads"

Download the toolkit. It will contain the following items:

- PACTware FDT Frame
- HART Communication DTM FDT 1.2
- Most recent version of the Honeywell Analytics DTM Library

### 3.3 System requirements

#### 3.3.1 System resources

Proper execution of the DTMs requires a standard PC with at least following system resources:

- 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor with at least 2 cores
- 1 gigabyte (GB) RAM (32-bit) or 2 GB RAM (64-bit)
- Screen Resolution at least 1024x768 pixels
- Free Hard disk space: approx. 2 GB
- Microsoft .NET Framework 3.5 (incl. Service Packs)/CRL2

#### 3.3.2 Operating systems

The DTM will run under the following operating systems:

- Windows 7
- Windows 10
- Windows Server 2012

### 3.3.3 Hard disk space

The Honeywell Analytics DTM Library HART requires approx. 50 MB hard disk space.

## 3.4 Installing DTM setup

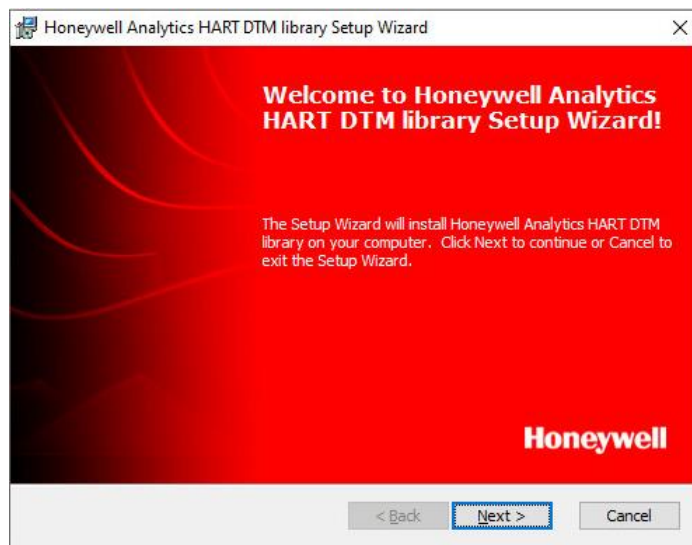
Please install the Frame Application PACTware (see § **Error! Reference source not found.**) first, followed by the HART Communication DTM (see § **Error! Reference source not found.**).

Install Honeywell Analytics HART DTM Library (see § **Error! Reference source not found.**) as follows:

1. Execute the setup by double-clicking on “Setup.exe” Application  
On the right-hand side: Extract the installation package to your local disk. Structure and files similar to the following example shall appear:

0009_lmst	16/12/2019 11:29	MST File	672 KB
Disk1	16/12/2019 11:29	Cabinet File	34 KB
Disk2	16/12/2019 11:29	Cabinet File	9,141 KB
Disk3	16/12/2019 11:29	Cabinet File	411 KB
Disk4	16/12/2019 11:29	Cabinet File	34 KB
Disk5	16/12/2019 11:29	Cabinet File	505 KB
Disk6	16/12/2019 11:29	Cabinet File	705 KB
Disk7	16/12/2019 11:29	Cabinet File	7,733 KB
Disk8	16/12/2019 11:29	Cabinet File	1,827 KB
Disk9	16/12/2019 11:29	Cabinet File	81 KB
Disk10	16/12/2019 11:29	Cabinet File	4,615 KB
Disk11	16/12/2019 11:29	Cabinet File	1,650 KB
Disk12	16/12/2019 11:29	Cabinet File	2,521 KB
Setup	16/12/2019 11:29	Application	212 KB
Setup	16/12/2019 11:29	Windows Installer ...	894 KB

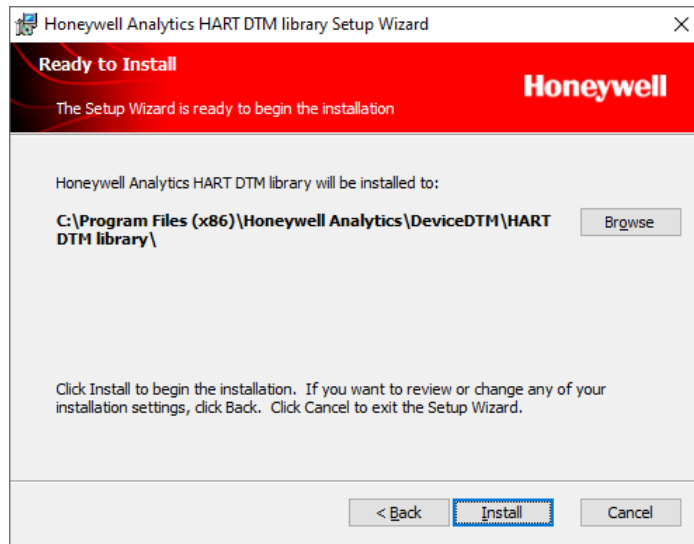
2. On the Welcome Screen, click “Next“:



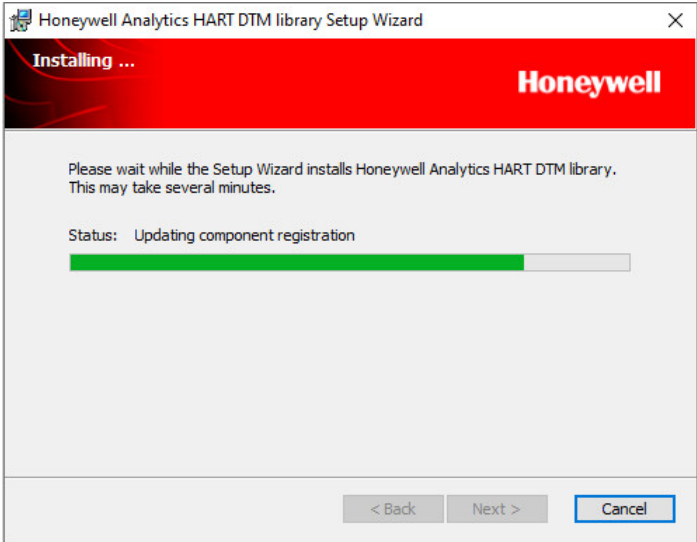
3. On the next screen, accept the License Agreement and click "Next":



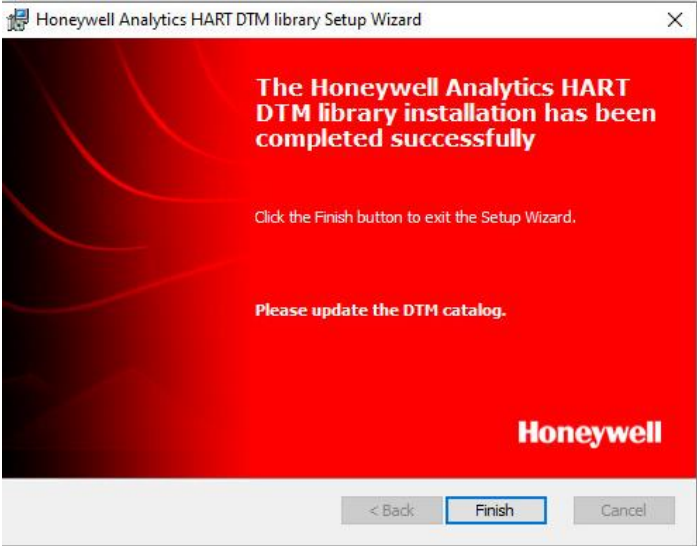
4. Adjust the installation path to your needs (choose the components to install and the destination directory) by pressing "Browse" or just confirm the default installation path with "Install":



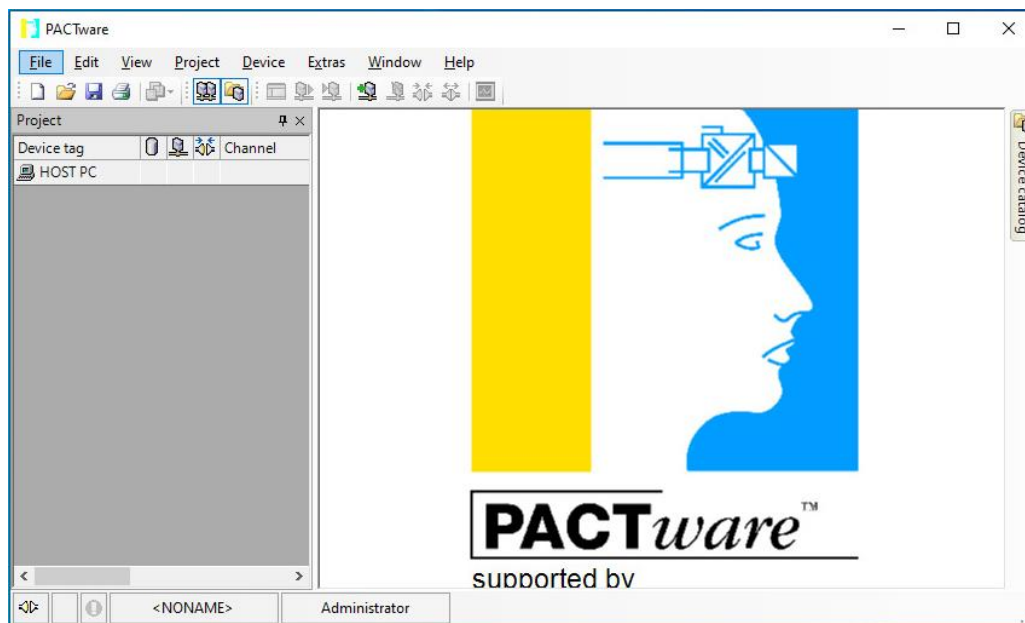
5. A window indicating the installation progress is displayed:



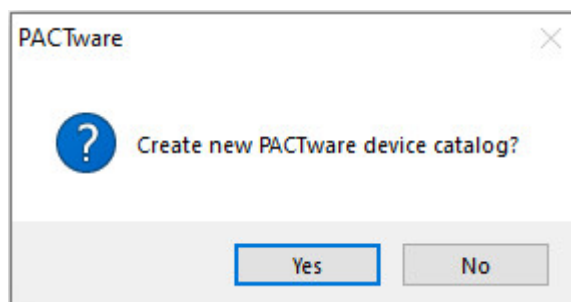
6. Confirm with "Finish" to close the setup wizard:



7. Open your FDT-Frame Application (PACTware) and update the device catalog:

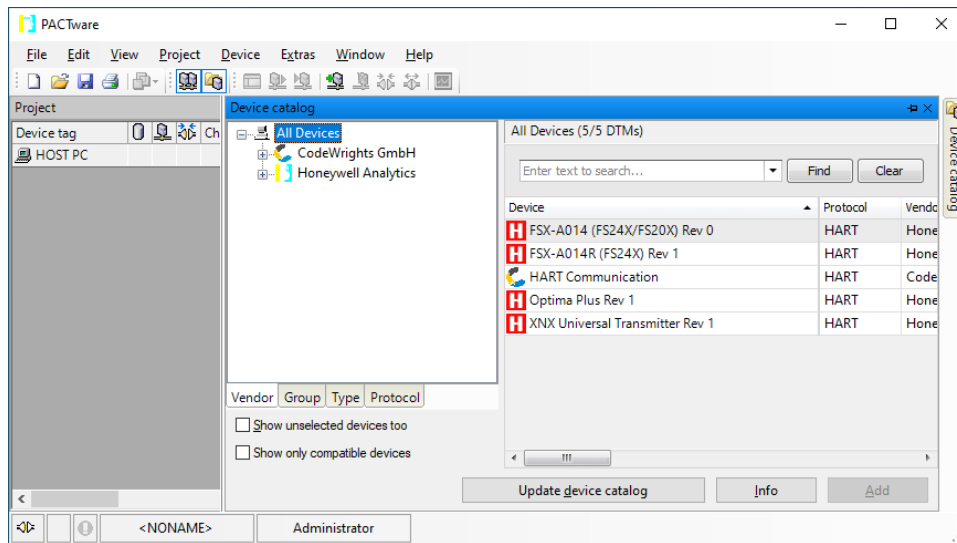


8. Create an updated PACTware DTM catalog by clicking "yes":





9. After the update you will find the device types listed in your catalog:

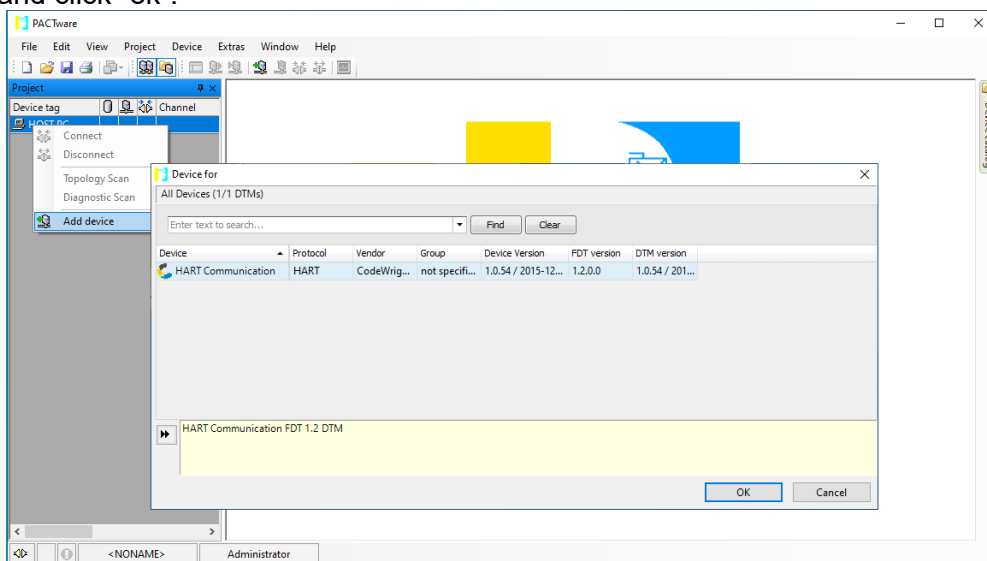


## 4 Operation

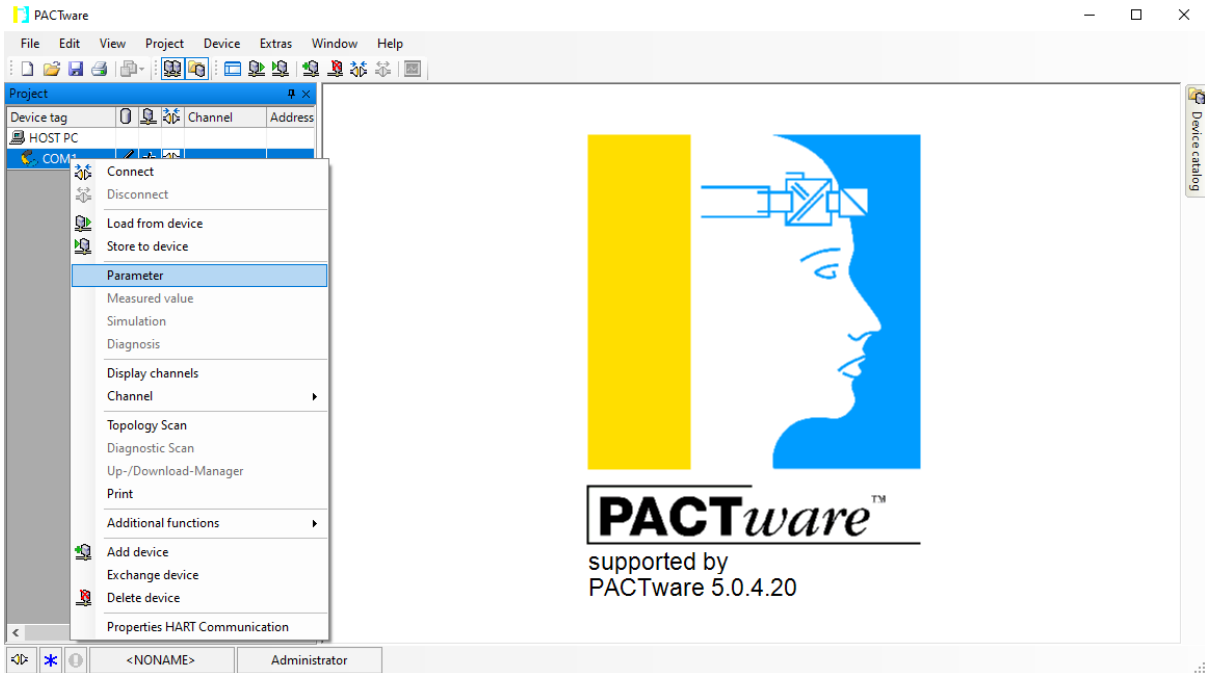
### 4.1 Establish connection with the device

After completion of § 2, please follow the steps described below for establishing the connection with your device using a serial HART modem and the CodeWrights HART Communication DTM (setting up a project in another frame or using another communication DTM might differ):

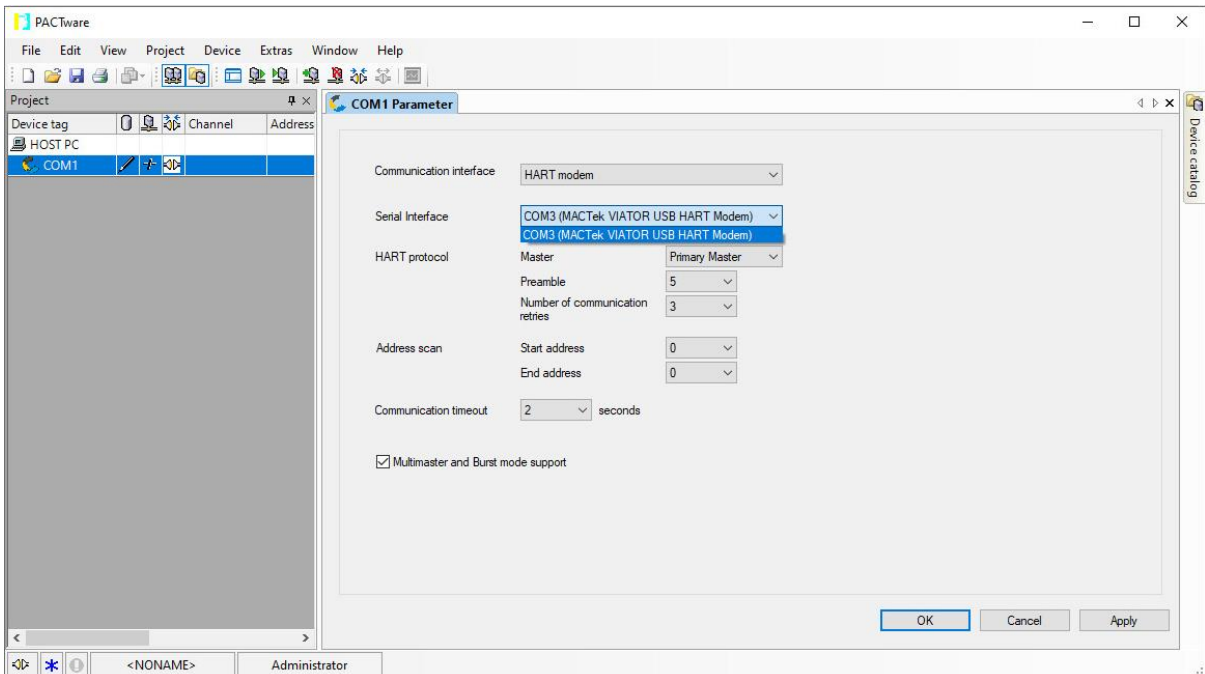
1. Open the PACTware frame application and make sure you have updated the “Device catalog” (if not already done yet) as mentioned in § 3.4 Position 7
2. Connect the device and the serial HART modem as described in the FS24X/FS20X device manuals (see § for technical details)
3. Connect the modem connector to the PC COM port (serial modem) or USB port (USB Modem).
4. Right-click on “HOST PC” in the project view on the left-hand side and select “Add device” to add the HART Communication DTM. On the next screen, select the DTM and click “ok”:



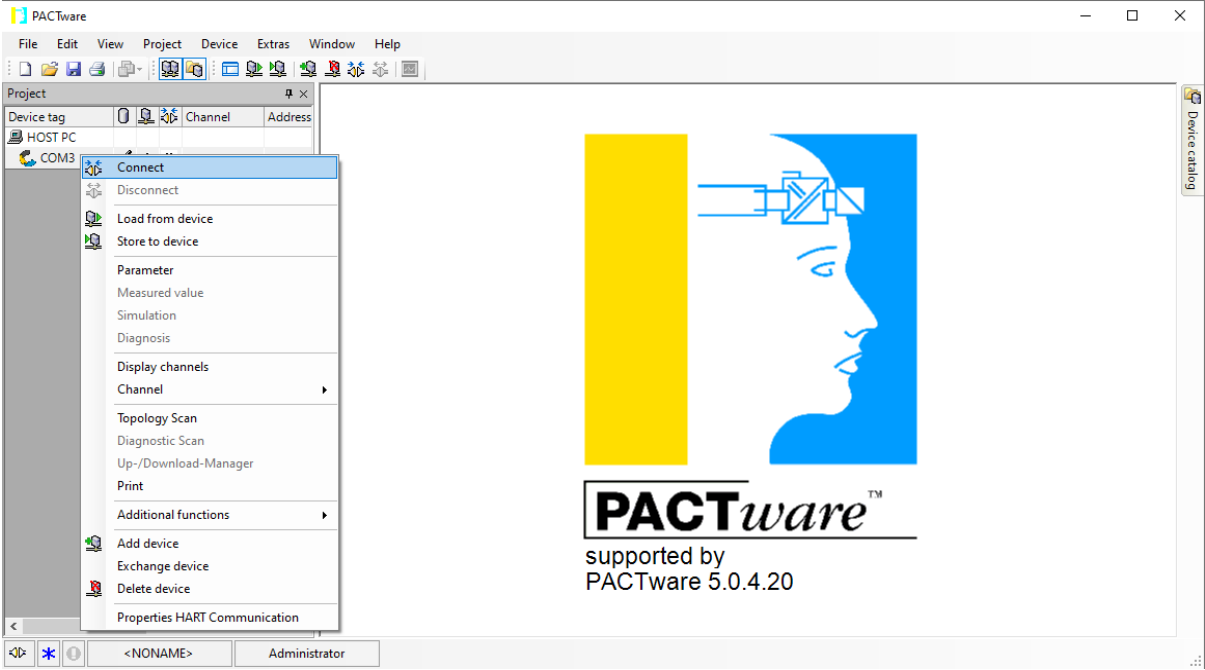
- Right-click on “HOST PC” in the project view on the left-hand side and select “Parameter”:



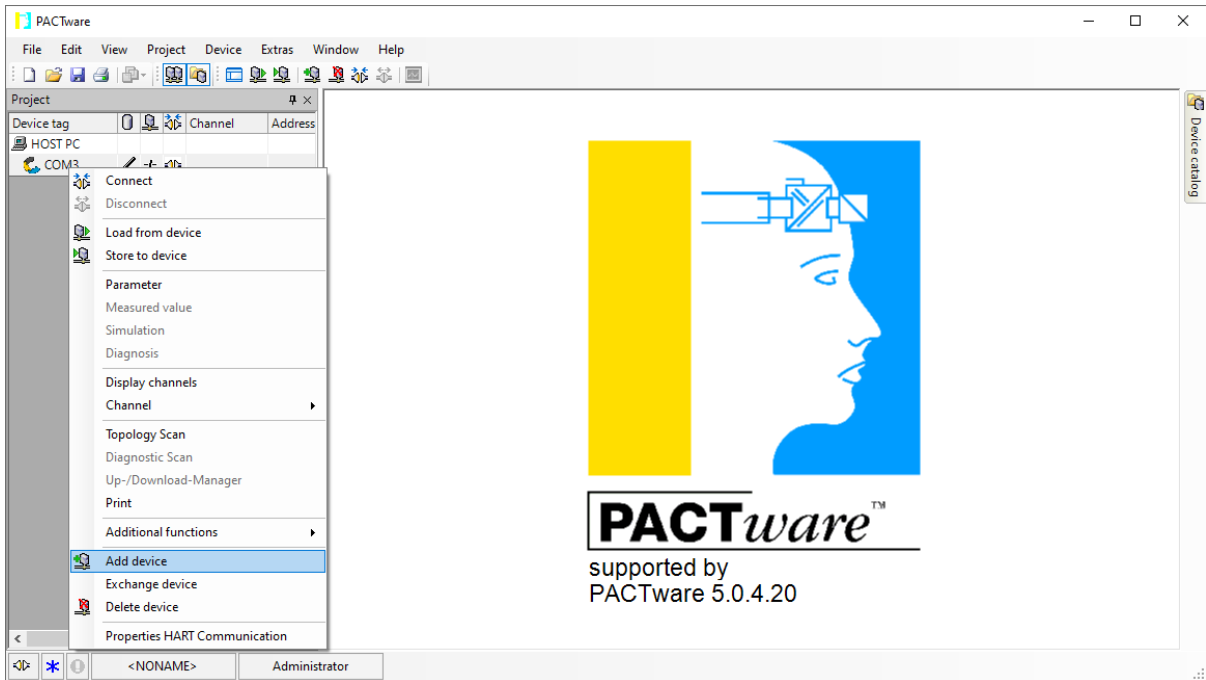
- Double-click on the HART Communication DTM and adjust the settings according to your hardware connection (you can find this information in Computer/Properties/Device Manager/Ports/Communications Port) then click “ok”:



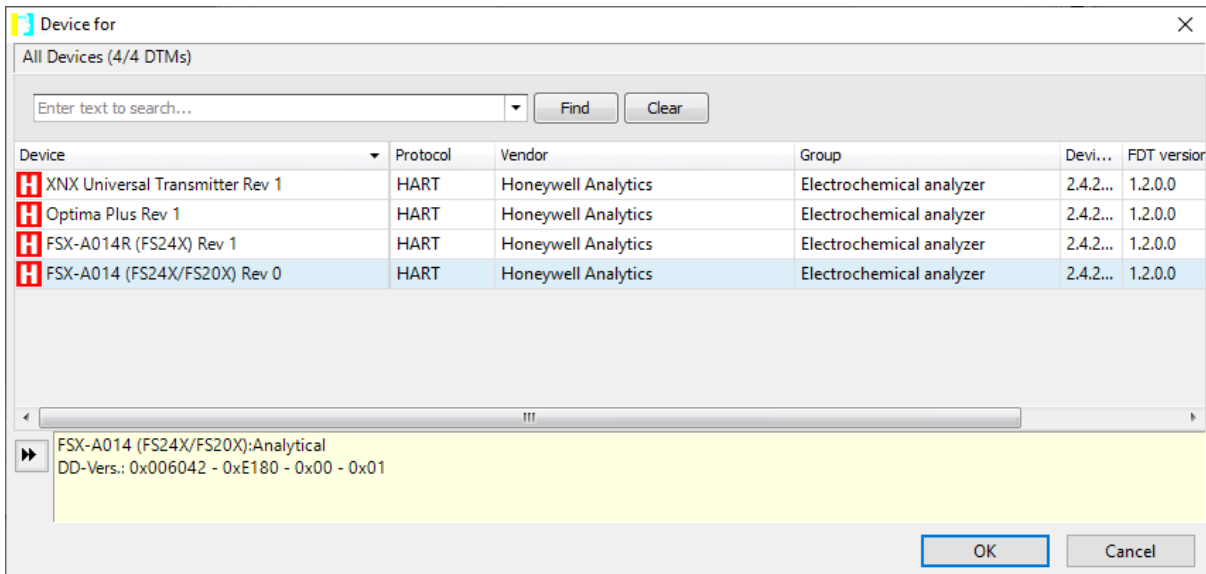
- Now “Connect” the HART Communication DTM:



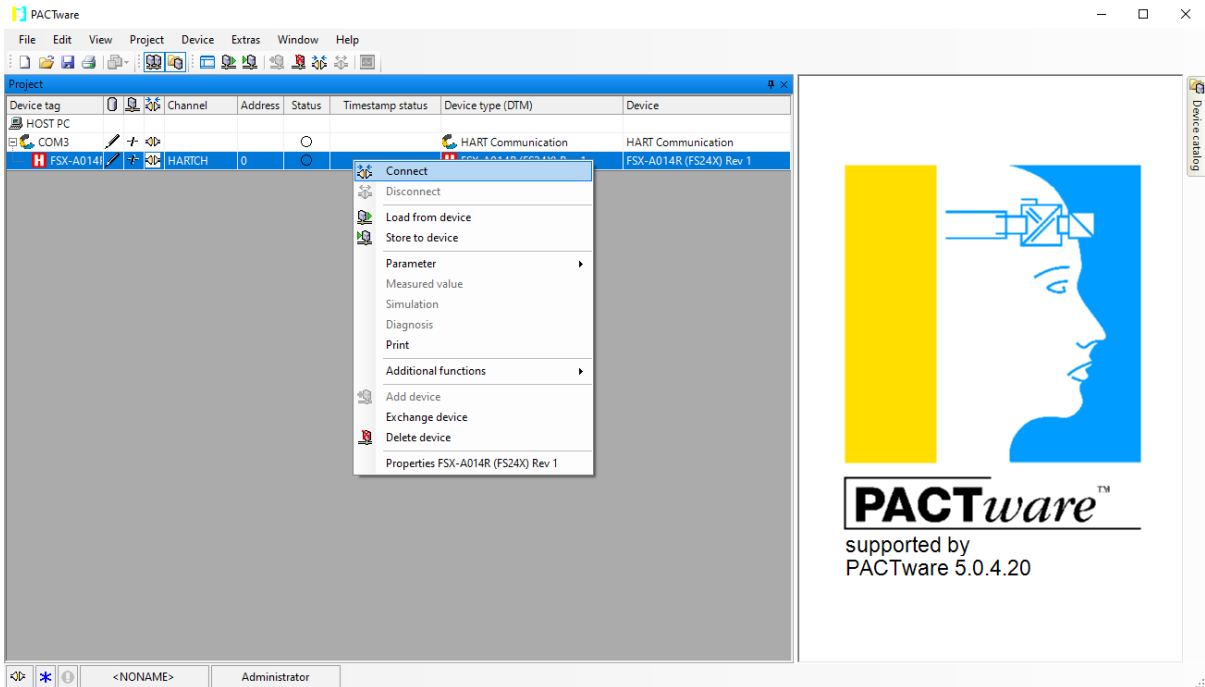
8. Now right-click on the communication DTM and select “Add device”:



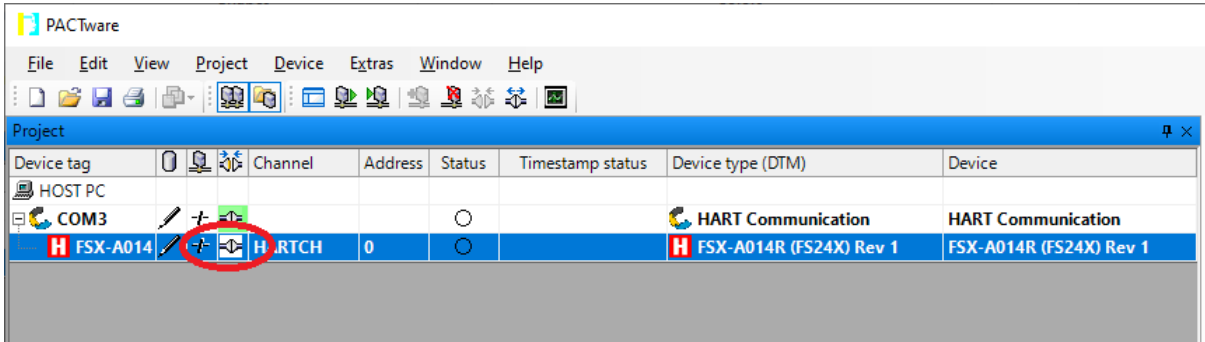
9. Select the right part number of the HART module installed with your device and click "ok".



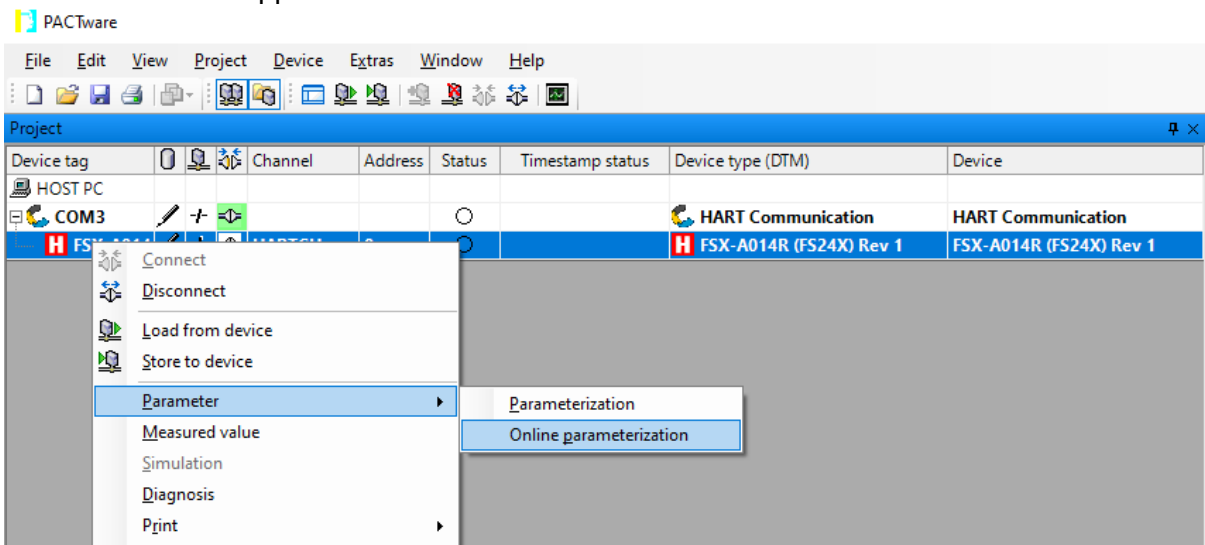
10. Go online by right-clicking on the device DTM and select “Connect” to connect the FS24X/FS20X device:



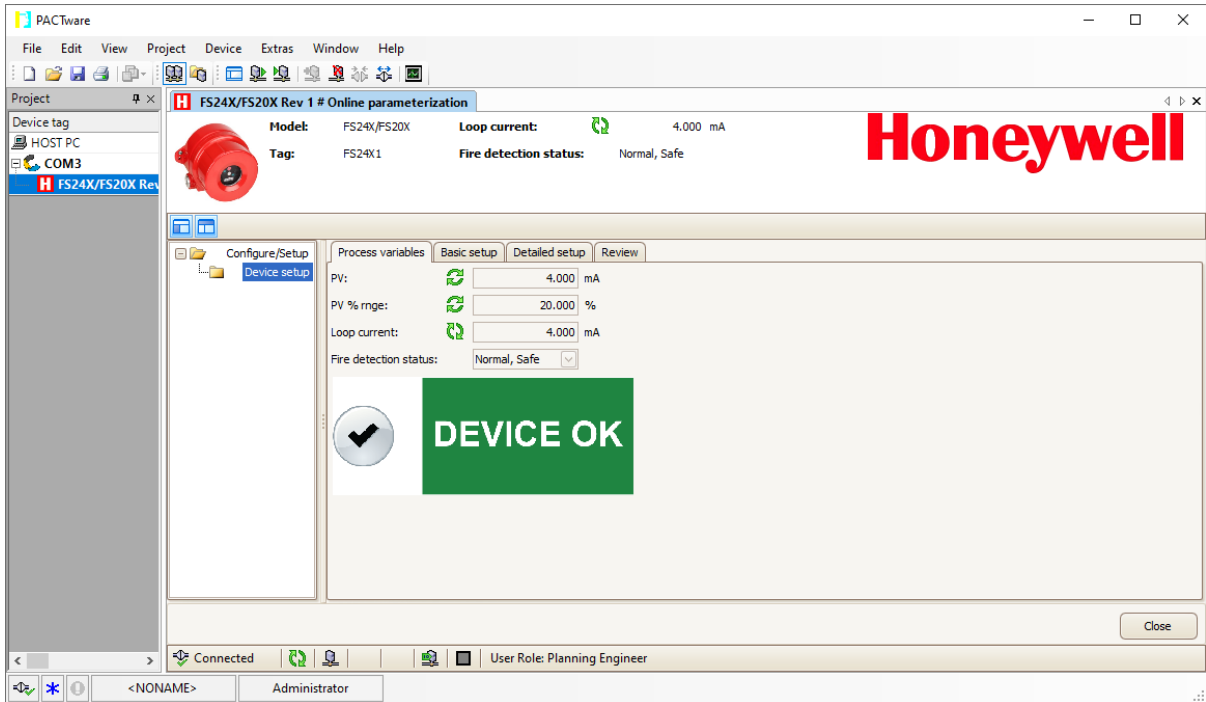
11. Now your device should be online, and the symbol “Connected” appears:



12. With a click right on the FS24X/FS20X device type in your project a detailed context menu will appear. Browse to Parameter/Online Parameterization and click left on it:



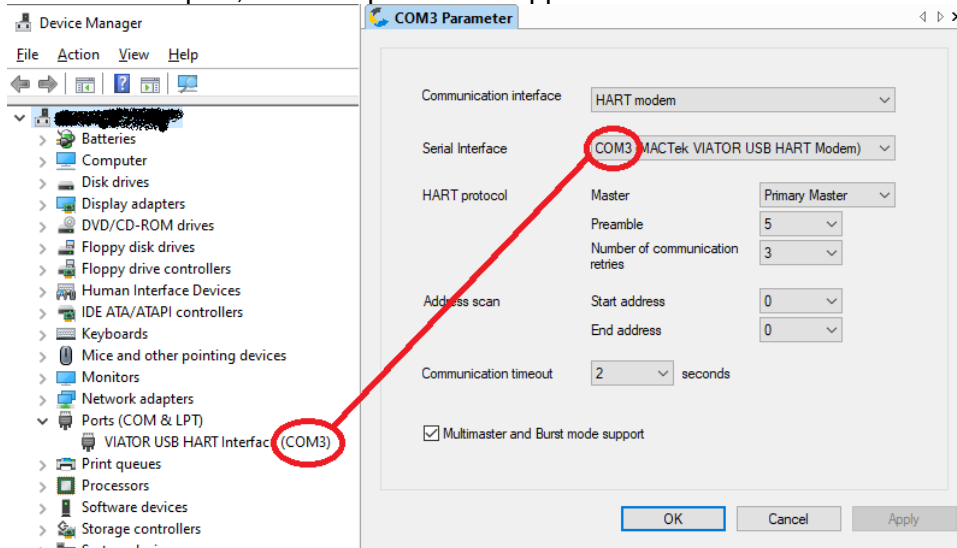
13. Connection to the device is now used to read data from the device and visualize them:



4.1.1 Possible problems while connecting to device

The following ERROR MESSAGE: “Connection to device could not be established” can be caused by the following:

- Transmitter is not powered
- HART serial interface is not connected
- HART modem and HART Communication DTM are using different serial ports (COM1, COM2, ...). To determine which COM port is the right one: Click on Windows Start button, then type “Device Manager” and confirm with Enter. In opened “Device Manager”, the section “Ports (COM & LPT)” shows a list of the available COM-Ports. The number after “COM” needs to match with the setting that was made in the HART Communication DTM. If a certain USB-Modem is unplugged from the USB-port, its COM-port will disappear from this list.



It may be necessary to DISCONNECT the Communication DTM and then CONNECT again to successful establish communications.

- The HART polling address set in the device is not the same as set in the device DTM. For details, see §4.1.2
- The device is connected to a HART Multiplexer and the Multiplexer configuration is not prepared for this device. In most cases, the HART Multiplexer has to be triggered to recognize the device at one of its loops. It does not scan loops the time. Many HART-Multiplexer require the polling address of the device to the 0. For changing the address of your device to 0, see §4.1.2
- The FSX-014

#### 4.1.2 Setting HART polling address

The HART Technology is capable to connect more than one HART device to a single 4-20mA loop. This is called multidrop-mode.

The identification of a HART device is done via its polling address. The valid range is 0-63, while 0 is a special case:

**Only for address 0, the loop current will be influenced by measuring and alarm of the device, for any other address it stays at 4mA, independent of measuring or alarm. Influencing the current also requires the device to be the only HART device in the loop.**

Device and DTM must be set to the same polling address, and no other device attached to this loop shall use this address. Using an address twice will lead to a broken HART communication for one or more devices.

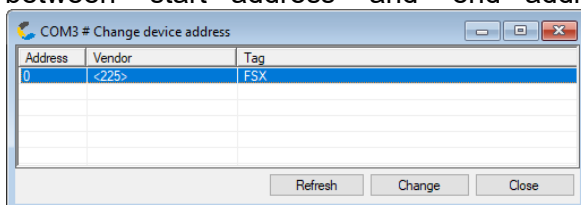
In many cases multidrop-mode is not in use, and the address is “0”. This is the default address of the DTMs.

**Note:**

**The FSX-A014 (FS24X/FS20X) device does only support polling addresses between 0 and 15. Setting any higher address will lead to a broken communication that can't be set back via the DTM anymore.**

##### 4.1.2.1 Setting the polling address of a HART device

- Add the HART Communication DTM to your environment, if not already done.
- Set „End address“ to a higher value, e.g. „5“
- Adjust the COM-Port settings to get access to your HART-Modem (see §4.1.1)
- Establish a connection to the COM-Port: right click on the HART Communication DTM and choose “Connect”. The “two plug”-Icon will change and now the plugs are connected and green.
- Again, right click on the HART Communication DTM and choose “Additional functions/Change device address”
- While opening the view, the HART bus is scanned for devices within the address range between “start address” and “end address”: The result may look like this

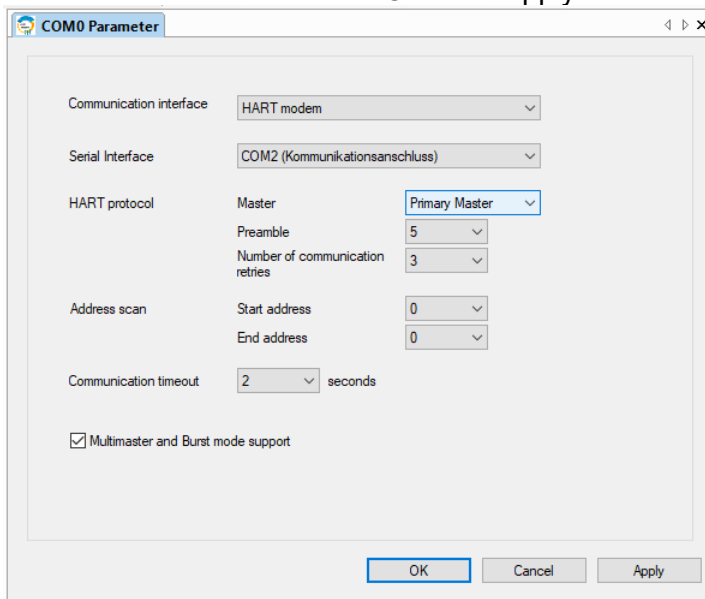


- Here, a device is found at address “0”

- To change the device address, click on change and choose the new address.  
**Note: For FSX-A014 (FS24X/FS20X) device, use addresses between 0 and 15 only. See §4.1.2**



- Confirm with “OK”
- Click on “Refresh” to repeat the scan again and verify your changes.  
**Note: For FSX-A014 (FS24X/FS20X) device, any polling address between 1 and 15 (See §4.1.2) will only be discovered if the scan for a device at address 0 is skipped. To do this, disconnect the HART communication DTM (right click at the icon in the topology, Disconnect) and open the Parameterization (double click). Change the values of “Start address” and “End address” to get a range that fits to your needs. E.g. if you want to check if your device has accepted a set of polling address 3, the closest useful address range is from 3 to 3. The widest useful range to scan for an FSX-A014 (FS24X/FS20X) device with a polling address other than 0 is from 1 to 15, as this specific device will not work with higher addresses. Setting the bounds for the scan is described in the following step.**
- If you do not find your device anymore, the new address is probably outside the bounds of “Start address” and “End address”. These bounds can be changed if the HART Communication DTM is disconnected: Right click on the DTM, choose “Disconnect”. Then, open the “Parameterization” of the HART Communication DTM to find “Start address” and “End address”. Choose “Apply” to take over your changes.



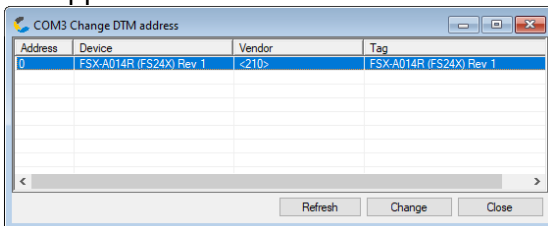
- To scan again it is necessary to connect the DTM.

4.1.2.2 Setting the polling address of a HART DTM

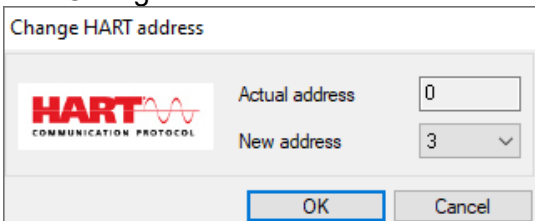
- If not already done, add HART Communication DTM and your device DTM to the project.
- To set the device DTM address, the HART Communication DTM needs to be disconnected: Right click on the DTM, choose “Disconnect”.



- Again, right click on the Communication DTM and choose “Additional functions/Change DTM address”. The List of DTMs attached to this Communication DTM will appear.



- Via “Change” the address of the DTM can be adjusted



- Confirm with „OK“
- Via “Refresh” the address of each attached DTM can be read out again.
- To establish a connection to your device, continue with the instructions from §4.1 Position 10.

#### 4.1.3 Device manuals

For more details regarding error messages, please download the technical manuals:

1. FS20X Flame Detector  
<https://www.honeywellanalytics.com/en/products/FS20X-Flame-Detector>
2. FS24X Flame Detector  
<https://www.honeywellanalytics.com/en/products/FS24X-Flame-Detector>

## 4.2 Topology scan

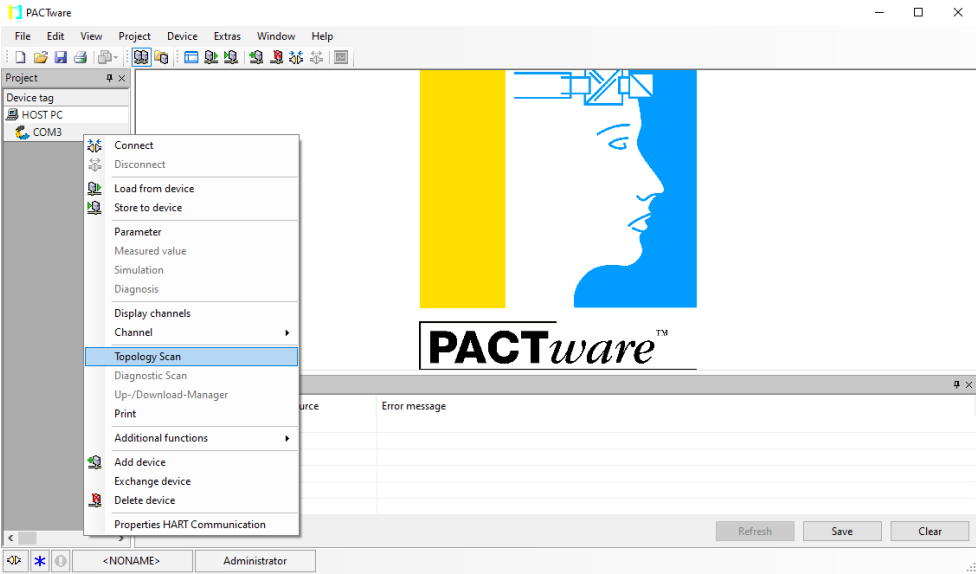
### Note:

The feature described here does not work for the FSX-A014 (FS24X/FS20X) device. The scan result will not lead to an automatic match. A manual assignment is required. Please follow the steps described in §4.1 to manually add the matching device type. If the polling address of the device is not 0, please follow the steps described in §4.1.2.1 to set the address.

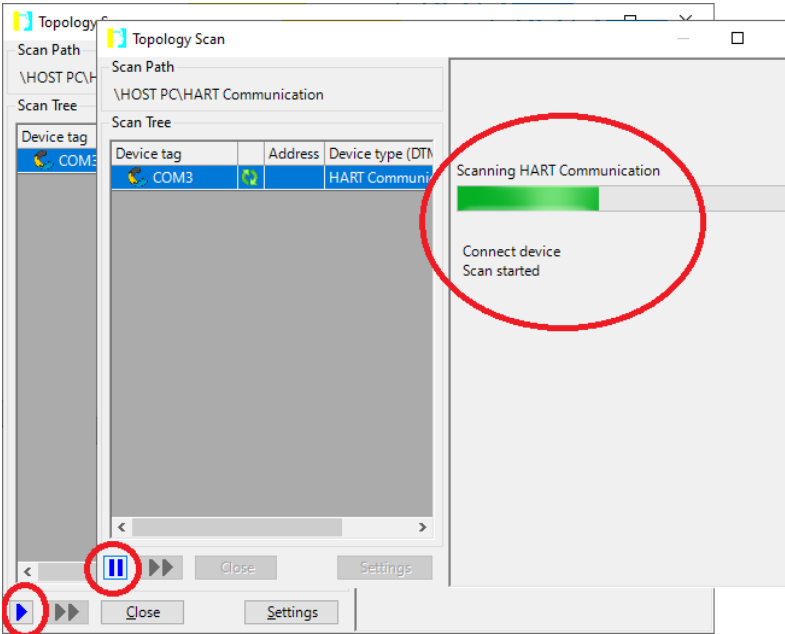
Another way to connect the device is to use the function “Topology scan”. This function is searching automatically the device and adds it to the project if the match is perfect.

Just follow the instructions as mentioned in § 4.1 from Position 1-6, then continue with the following instructions:

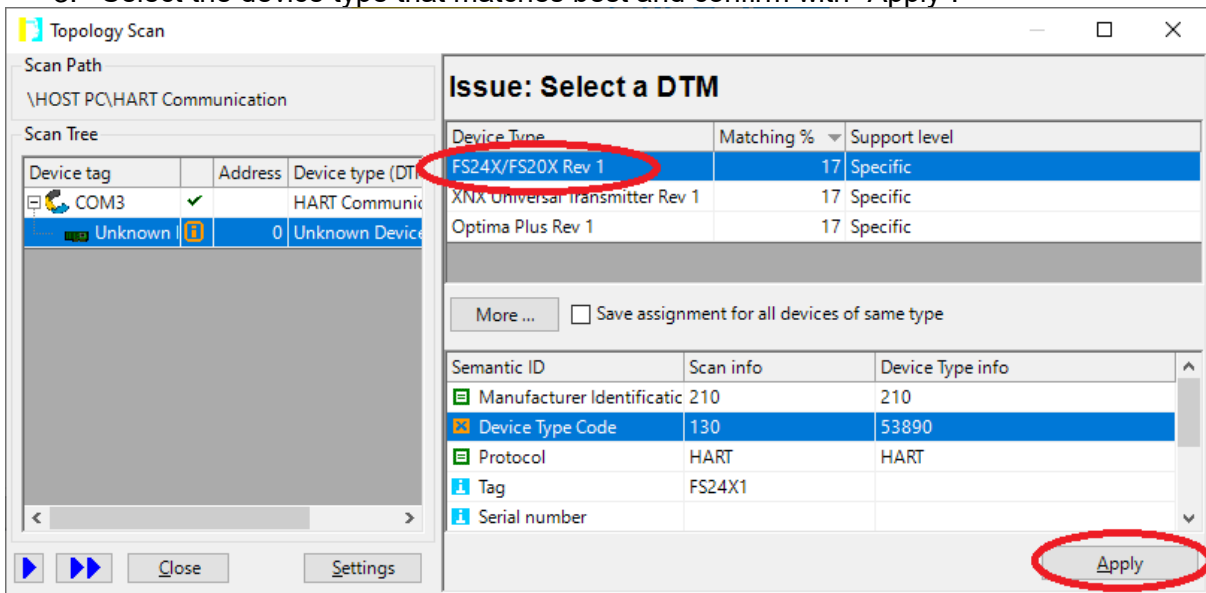
1. Right-click on the communication DTM and select “Topology scan” with a click:



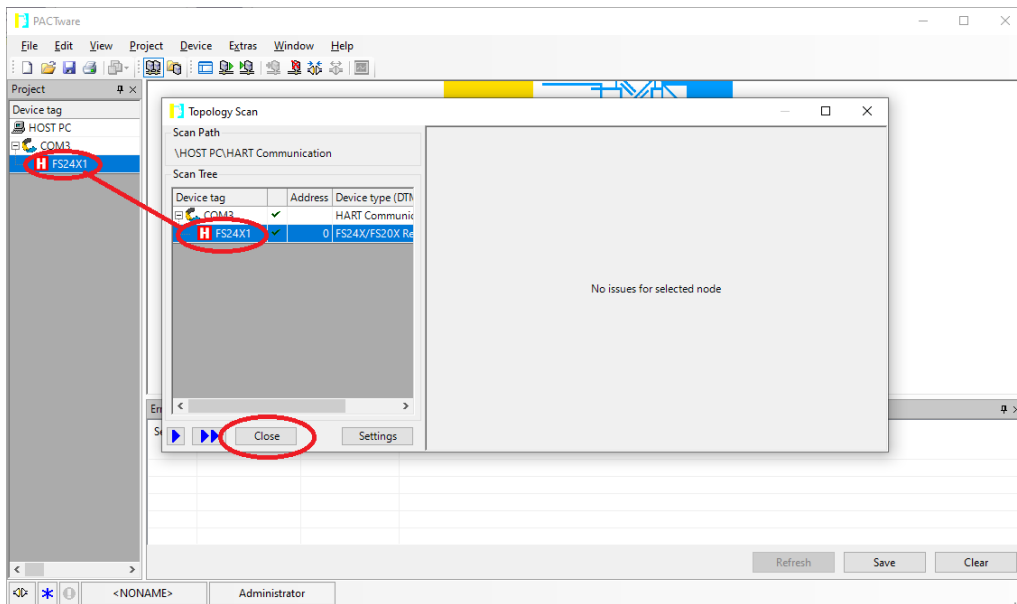
2. The Topology scan window appears. Click on the “Play”-Button in the lower left corner to start the scan. During scan the scanning progress is displayed:



3. Select the device type that matches best and confirm with “Apply”:



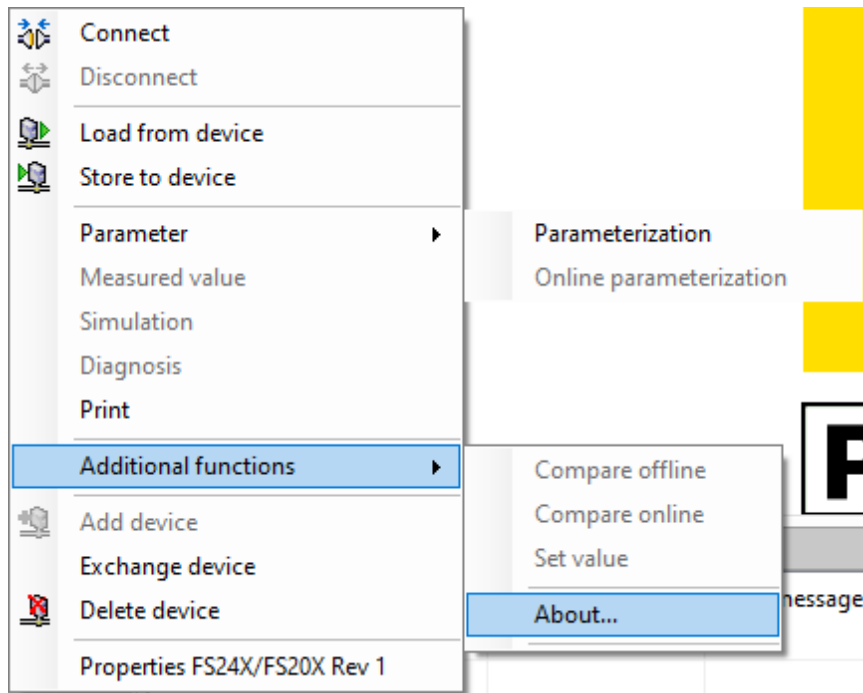
4. The device is added to the project and the Topology Scan can be closed:



5. Now continue with the instructions from §4.1 Position 10.

### 4.3 PACTware menu structure and items

By right-clicking on the device DTM you will find a menu list. Some menu items are characteristic for DTM and some for frame (in the shown example PACTware):



#### 4.3.1 DTM specific menu items

- Measured value (offers real time information about the HART loop current (mA and %), the fire detection status and the device condition).
- Parameter (offers information regarding the complete device parameters which can be set according to your measurement application)
  - Online parameterization
  - Parameterization (which refers to offline parameterization)
- Diagnosis (offers real time information about the device status)
- Additional functions (offers information regarding the DTM, like version number, manufacturer, registration status, etc)
  - About DTM
- Load from device (is used for uploading data set from the device to the offline parameterization). Perform this operation in order to store the device configuration in the Frame Application's project file or database.
- Store to device (is used for downloading the offline parameterization data to the device). Perform this operation in order to download and restore a device configuration from a saved project to the device.

#### 4.3.2 Frame specific menu items

The other items shown in the figure above are frame characteristic items. In the following pages we will describe the DTM characteristic items. For more information regarding the Frame items, please check [www.pactware.com](http://www.pactware.com) or the respective operating manual of your Frame Application.

## 4.4 Operation

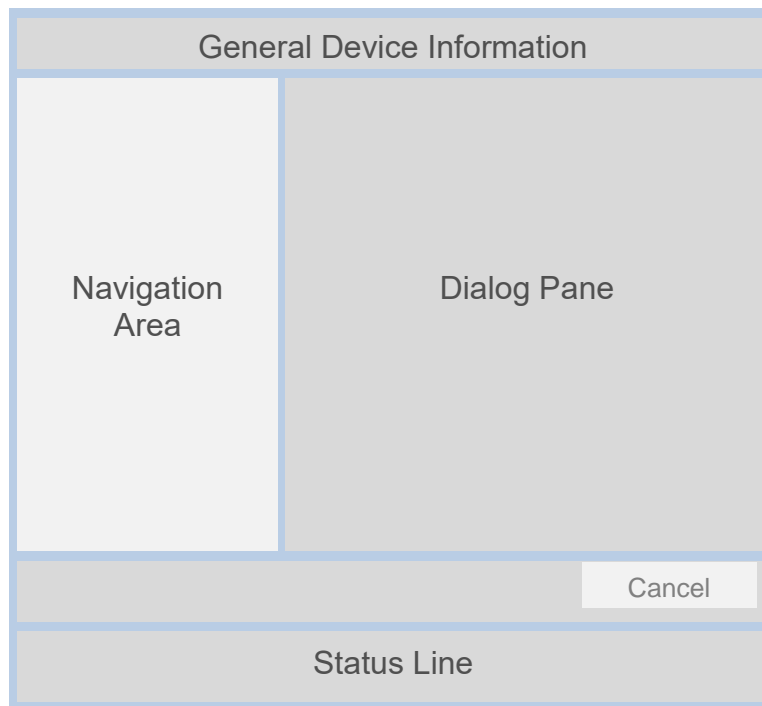
### **WARNING**

*For safety reasons this equipment must be operated by qualified personnel only. Read and understand the instruction manual completely before operating or servicing the equipment. Inappropriate or incorrect use of an instrument adjusted with PACTware can give rise to application-specific hazards, e.g. vessel overfill or damage to system components through incorrect mounting or setting.*

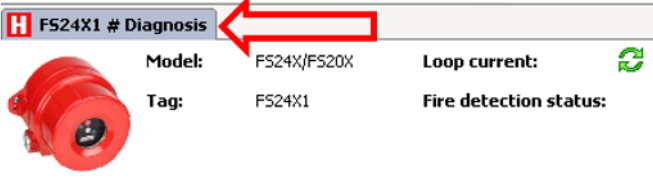



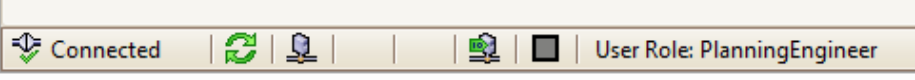




### 4.4.1 DTM graphical user interface

The graphical user interface of the DTM is composed of different areas and elements listed hereafter:

- A header area containing the General Device Information
- The Navigation Area (area on the left side)
- The Dialog Pane (main area on the right side)
- Cancel button
- The Status Line containing information e. g. the online-state of the DTM



Parameter	Meaning
General device information	Contains information like: Model: Name of device Tag: Name of device according to firmware Logo: Logo of the device manufacturer

	<p>Menu item (which has been opened from menu list):</p> 
<p>Navigation area</p>	<p>The Navigation Area contains folders and subfolders to open the dialog panes of the DTM.</p>  <p>Open/show the navigation area</p> <p>Hide the navigation area</p>
<p>Dialog pane</p>	<p>On the dialog pane modules, submodules and parameters can be selected or configured.</p> <p>Grid controls display table data: The data grid control enables control of multiple columns and rows of varying control types that may be used to capture and track incident properties.</p> <p>Static grid control: The grid data is static</p> <p>Edit grid control: The grid data can be edited using built-in editors</p> <p>IP Grid control: The grid data cell to enter IP address</p> <p>Close/Open (+/-): Grid data view can be opened/closed via (+/-)</p> <p>Drop down grid control: Grid cell contains drop down list</p> <p>Drop down combo (with edit) grid control: Grid cell contains drop down list with edit control.</p>  <p>Wait to receive data from device</p>  <p>Displayed data is read in real time from device</p>
<p>Cancel button</p>	<p>To cancel your latest changes, click Cancel.</p> <p>The changes will not be saved, or the changed values are not applied on the frame application database. The dialog then closes.</p>
<p>Status line</p>	<p>The Status line displays information about the current state of the DTM. The current activity, e.g. the DTM connection state, is signaled graphically via icons in the status bar:</p>  <p> Connected: Icon closed = Device is online</p> <p> Disconnected: Icon opened = Device is offline</p> <p> Disturbed: Communication interrupted between DTM and field device</p> <p> Data set: The displayed data are read out from the instance data set (offline data from database).</p>


	 Device: The displayed data are read out from the device (online data).
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Table 1. Elements of the DTM graphical interface

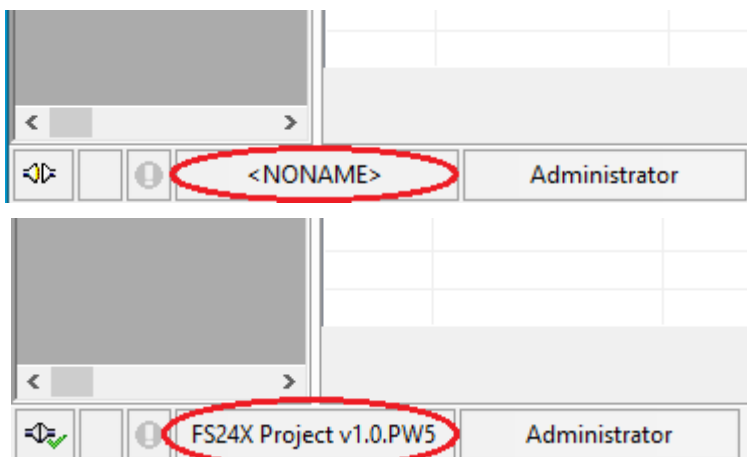
#### 4.5 Create a project

Starting point for the adjustment of all types of field devices is the partial or complete imaging of the device network in a PACTware project. This device network can be created automatically or manually and is displayed in the project window.

Even when instruments that are to be parameterized are not yet available or connected, the project can be created manually (offline operation). The DTM installed on the PC is displayed in the device catalog. The DTM usually has the same name as the instrument that can be adjusted with it.

To create a project in the project window, paste in the DTMs from the instrument catalog - one DTM for each used instrument. The entry HOST-PC is the starting point for pasting in the DTMs. The requested DTM can be brought over from the instrument catalog to the project window with a double click or Drag and Drop. In the project window you can change the names of the selected instruments for better differentiation. If the project window or the instrument catalog is not visible, they can be activated in the menu bar under "View".

The given name of the project will appear in the PACTware window:

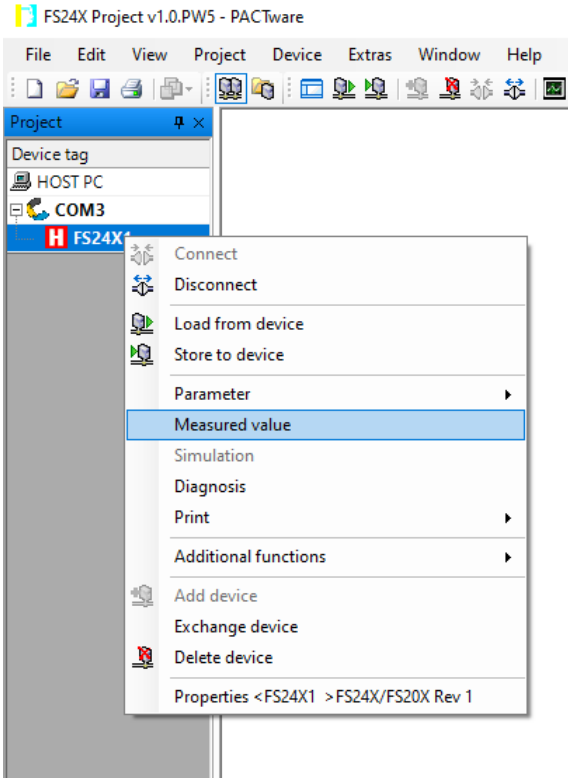


### 5 Online function of the device type

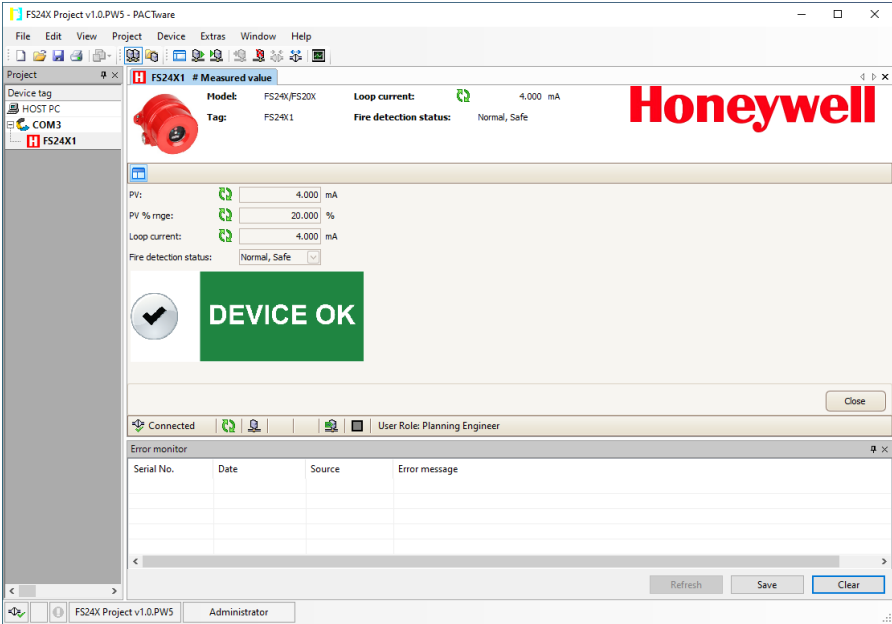
#### 5.1 Measured value function

The function measured data offers real time information about the HART loop current (mA and %), the fire detection status and the device condition.

1. In order to get started this function just right-click on device name in the project view on the left-hand side and select "Measured value":

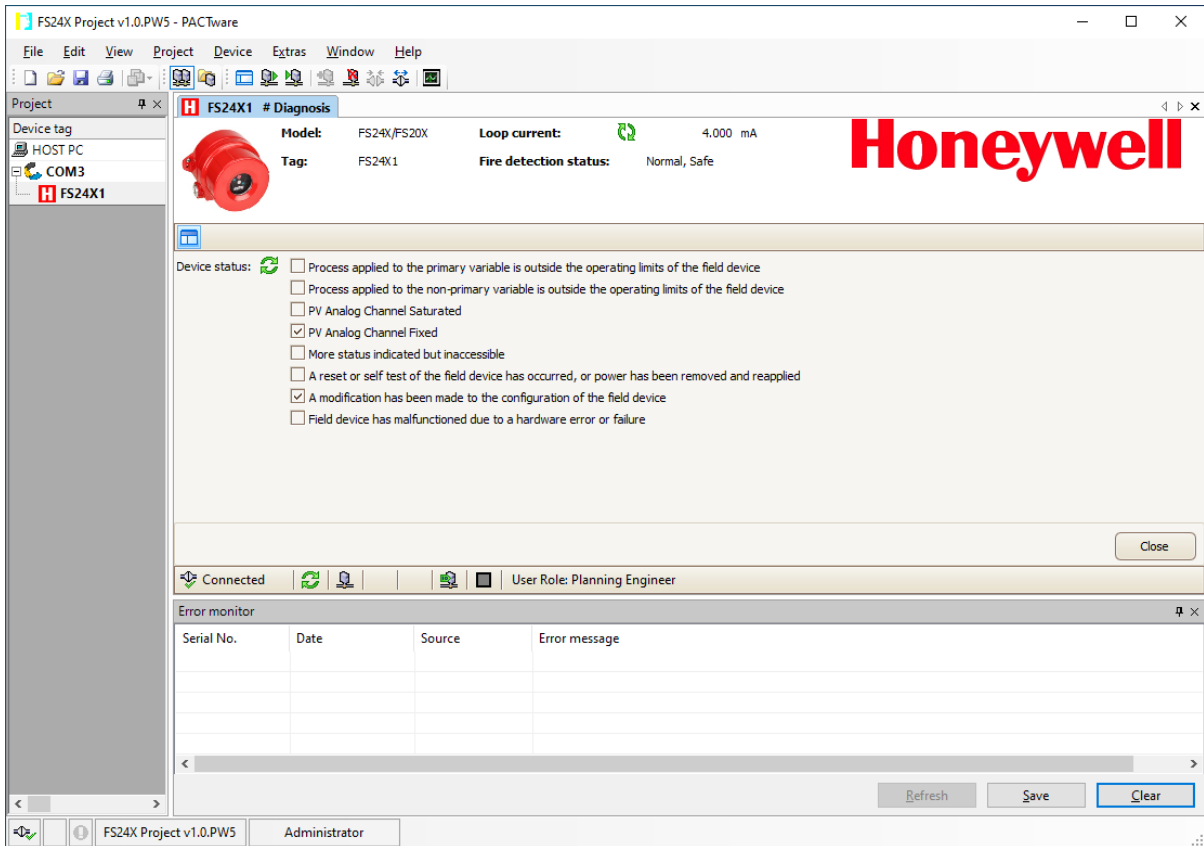


2. The following window will open:





## 5.2 Diagnosis function



## 5.3 Online parameterization function

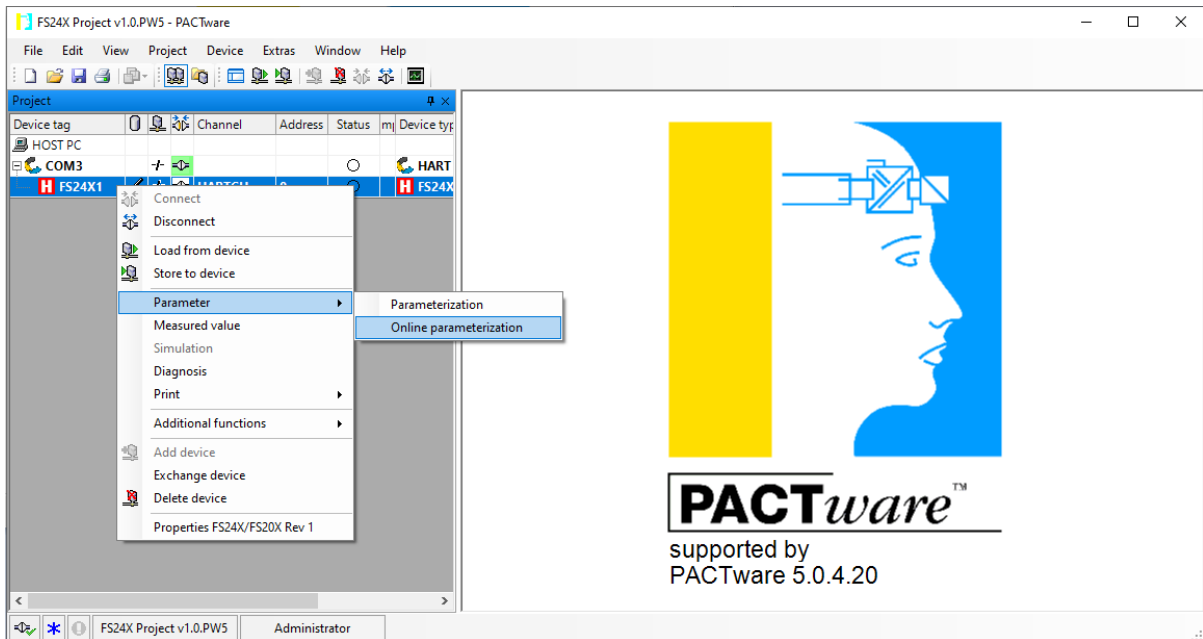
The online parameterization function can be used to configure your device during operation (online parameterization), but also offline (offline parameterization) if the device is not connected.

The following pages describe the steps to configure an FS24X/FS20X device with the device type. At this time it is assumed that the DTM installation (§ 3.4) and connection with the device (§4.1) was already done.

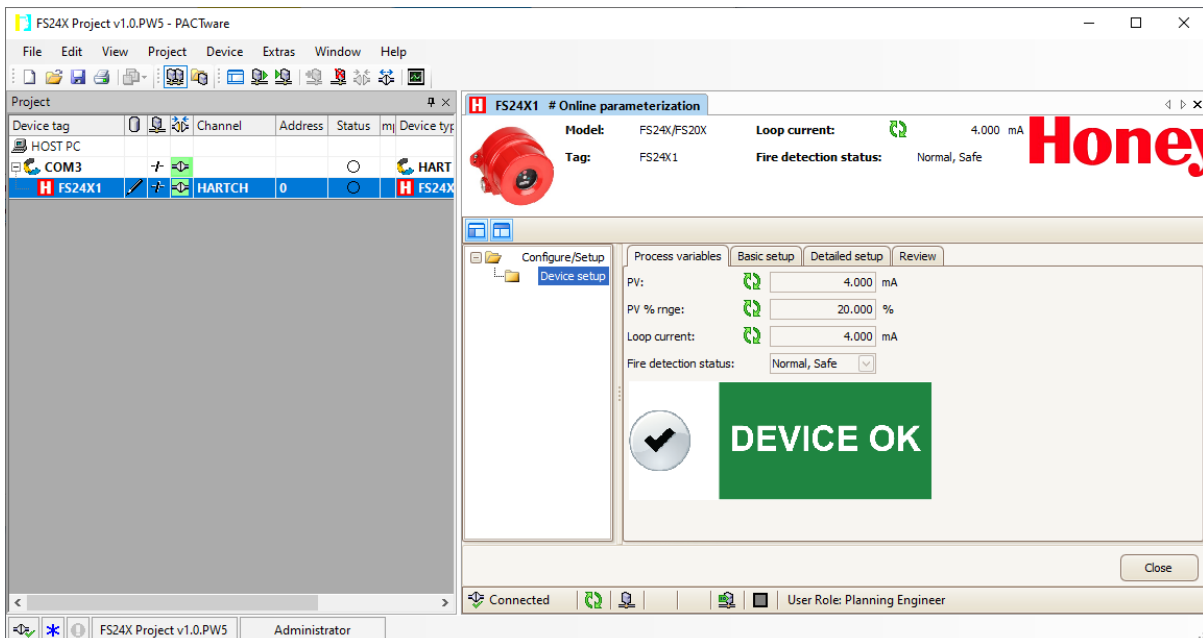
**Note:**

In opposite to the FSX-A014R, the configuration of the FSX-A014 device is limited to a change of the polling address. It is not possible to edit any other setting. A change of the polling address is described in §4.1.2.1

1. In order to get started this function just right-click on device name in the project view on the left-hand side and select “Parameter” then “Online parameterization”:



2. An overview of all online configurable functions will be displayed:



**5.3.1 First “Tab”: Process Variables**

- “PV” is the measuring result of the device. Unit is [mA]

- "PV % rnge" is the percent value representation of "PV", scaled between "PV LRV" (0%) and "PV URV" (100%)
- "Loop current" is the current that floats through the 4-20mA loop.
- "Fire detection status" is the status of the measuring
- Device status Icon can change its colour and text, depending on the device condition

### 5.3.2 Second "Tab": Basic Setup

- "Tag" is the device tag used by legacy HART 5 Communication for a unique identification. Length: 8 Characters of A-Z, 0-9, [SPACE] and a selection of special characters, e.g. +, -, <, >. Default value is "????????"
- "Long tag" is the tag used by HART Communication for a unique identification. Functions exactly like Tag except the size is larger (max of 32 ISO Latin 1 characters). Default value is "??"
- "PV Snr unit" (not writeable) is the engineering unit used by the "PV" value
- "Distributor" (not writeable) References the company that is responsible for the distribution of this Field Device to customers
- "Model" (not writeable) References the type of Field Device, usually an advertised model number, that is unique to a single manufacturer
- "Device ID" (not writeable) Uniquely identifies the Field Device when combined with the Manufacturer Identification and Device Type. Therefore, this variable cannot be modified by the Host user.
- "Cfg chng count" (not writeable) This indicates the number of times the devices configuration or calibration has been changed by a host application or from a local operator interface
- "Date" can be used to set a date, e.g. the date of installation or last inspection
- "Write protect" (not writeable)
- "Descriptor" can be used to set a short text. Length is 16 characters, allowed characters are the same as for "Tag". Default value is "????????????????"
- "Message" can be used to set a short text. Length is 32 characters, allowed characters are the same as for "Tag". Default value is "????????????????????????????????????"
- "PV Snr s/n" (not writeable) is the serial number of the sensor
- "Final Assembly number" can be used as a unique number, to identify the device
- "Universal rev" (not writeable) Revision of the Universal Device Description, that the Field Device conforms to
- "Fld dev rev" (not writeable) Revision of the Field Device Specific Device Description, that the Field Device conforms to
- "Software rev" (not writeable) This revision corresponds to the software or firmware, that is embedded in the Field Device

- "xfer fnctn" (not writeable) Defines the transformation function that will be applied from the Field Device Variable to the Analog Output, and Percent Range. The Transfer Function does not affect the Digital Value representation.
- "PV Damp" (not writeable)

### 5.3.3 Third "Tab": Detailed Setup

- "PV" (not writeable)
- "PV snsr unit" (not writeable)
- "Max dev vars" (not writeable)
- "PV class" (not writeable)
- "PV LSL" (not writeable)
- "PV USL" (not writeable)
- "PV Min span" (not writeable)
- "PV Damp" (not writeable)
- "PV URV" (not writeable)
- "PV LRV" (not writeable)
- "PV xfer fnctn" (not writeable)
- "PV % rng" (not writeable)
- "Loop current" (not writeable)
- "AO Alm typ" (not writeable)
- "Channel flags" (not writeable)
- "Loop current mode" can be used to enable/disable the relation between current and measuring result. Default value is "Disabled". It can be changed to "Enabled".
- "Poll addr" writes the HART polling address. Note: To avoid problems with double address usage, please use the HART communication DTM to set HART polling addresses. See §4.1.2
- "Num req preams" (not writeable)
- "Num resp preams" (not writeable)
- "Distributor" (not writeable) References the company that is responsible for the distribution of this Field Device to customers
- "Model" (not writeable) References the type of Field Device, usually an advertised model number, that is unique to a single manufacturer
- "Device ID" (not writeable) Uniquely identifies the Field Device when combined with the Manufacturer Identification and Device Type. Therefore, this variable cannot be modified by the Host user.
- "Cfg chng count" (not writeable) This indicates the number of times the devices configuration or calibration has been changed by a host application or from a local operator interface
- "Tag" is the device tag used by legacy HART 5 Communication for a unique identification.

Length: 8 Characters of A-Z, 0-9, [SPACE] and a selection of special characters, e.g. +, -, <, >. Default value is "????????"

- "Long tag" is the tag used by HART Communication for a unique identification. Functions exactly like Tag except the size is larger (max of 32 ISO Latin 1 characters). Default value is "????????????????"
- "Date" can be used to set a date, e.g. the date of installation or last inspection
- "Write protect" (not writeable)
- "Descriptor" can be used to set a short text. Length is 16 characters, allowed characters are the same as for "Tag". Default value is "????????????????"
- "Message" can be used to set a short text. Length is 32 characters, allowed characters are the same as for "Tag". Default value is "????????????????????????????????????"
- "PV Snr s/n" (not writeable) is the serial number of the sensor
- "Final Assembly number" can be used as a unique number, to identify the device
- "Universal rev" (not writeable)
- "Fld dev rev" (not writeable)
- "Software rev" (not writeable)

#### 5.3.4 Fourth "Tab": Review

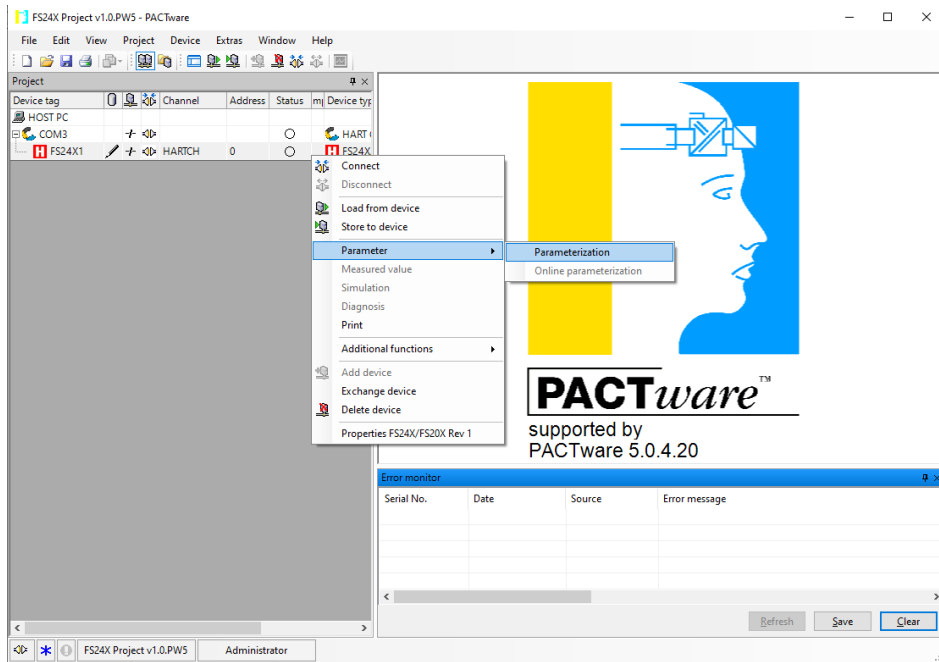
The review menu shows all parameters of "Process variables", "Basic Setup" and "Detailed Setup" in a plain list and protects them from being changed while viewed. This can be used to check if all settings are done.

## 6 Offline parameterization function

In offline mode, the project can be prepared, created and stored without connected instruments. Later, in online mode these data can be transmitted to the instruments ready for operation. Offline mode does not need any connection to the device.

The following pages describe the steps to offline parameterize an FS24X/FS20X device with the DTM. At this time, it is presupposed that the DTM installation (§ 3.4) was already done.

In order to get started this function just right-click on device name in the project view on the left-hand side and select “Parameter” then “Parameterization”:



Offline configuration is the ability to manipulate device parameters without the presence of a physically connected device (commissioning, device exchange, device data set archiving). Offline parameters are stored by the FDT frame.

The offline parameterization provides a selection of features which can be found also in the online parameterization:

**FS24X1 Parameterization**

**Model:** FS24X/FS20X  
**Tag:** FS24X1

**Honeywell**

AO Alm typ: None

Channel flags:  Analog Output Channel

Tag: FS24X1

Long tag: FSCHCOM MODULE FS24X,FS18X, 1

Distributor: Honeywell Analytics

Model: FS24X/FS20X

Dev id: 1193046

Manufacturer: Honeywell Analytics

Max dev vars: 1

Date: 16/12/2020

Write protect: None

Descriptor: TEST C

Message: FIRE SENTRY CORPORATION.B

PV Snsr s/n: 1184274

Final asmbly num: 630123

Universal rev: 7

Fld dev rev: 1

Software rev: 10

Poll addr: 0

Num req preams: 5

Num resp preams: 5

PV Snsr unit: mA

PV Class: Current

PV LSL: 1.000 mA

PV USL: 20.000 mA

PV Min span: 1.000 mA

PV Damp: 0.000 s

PV URV: ? 20.000 mA

PV LRV: ? 1.000 mA

PV rng unit: mA

Loop current mode: Disabled

Device status:

- Process applied to the primary variable is outside the operating limits of the field device
- Process applied to the non-primary variable is outside the operating limits of the field device
- PV Analog Channel Saturated
- PV Analog Channel Fixed
- More status indicated but inaccessible
- A reset or self test of the field device has occurred, or power has been removed and reapplied
- A modification has been made to the configuration of the field device
- Field device has malfunctioned due to a hardware error or failure

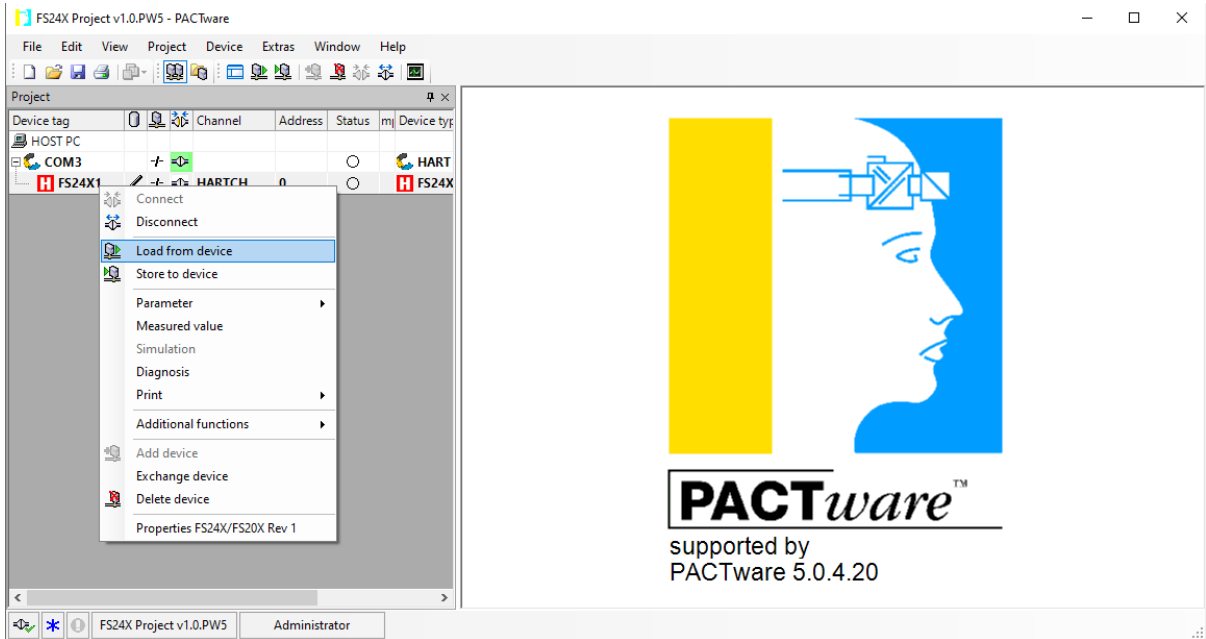
Close

### 6.1 Load from device

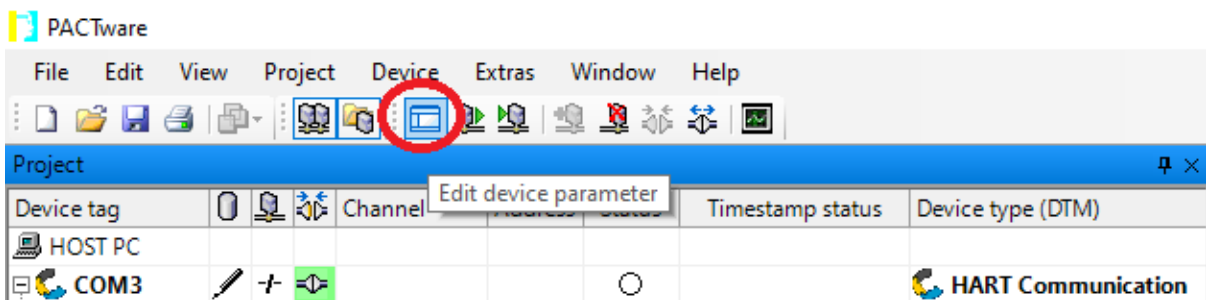
**WARNING**

*You may lose the current offline configuration parameters.*

“Load from device” loads device parameters from the currently connected device to the Offline parameterization window of the DTM:



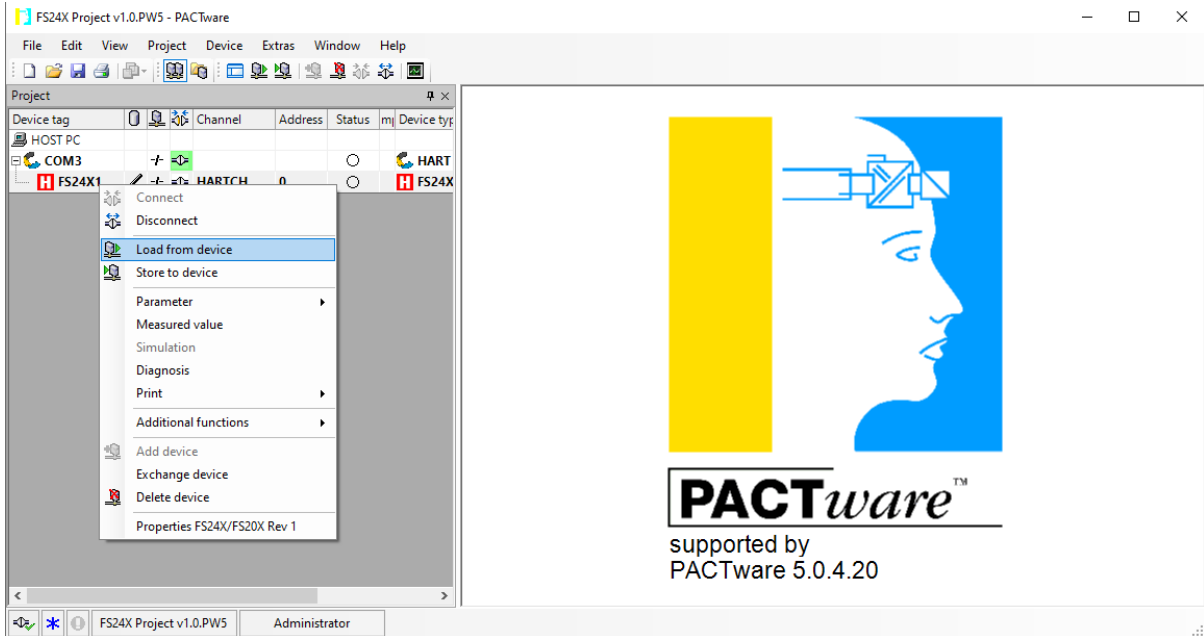
After clicking “Load from device” icon, an “Upload” screen will be shown and the upload progress bar. After the progress bar is through with loading, you can click on the “Edit device parameter” icon.





## 6.2 Store to device

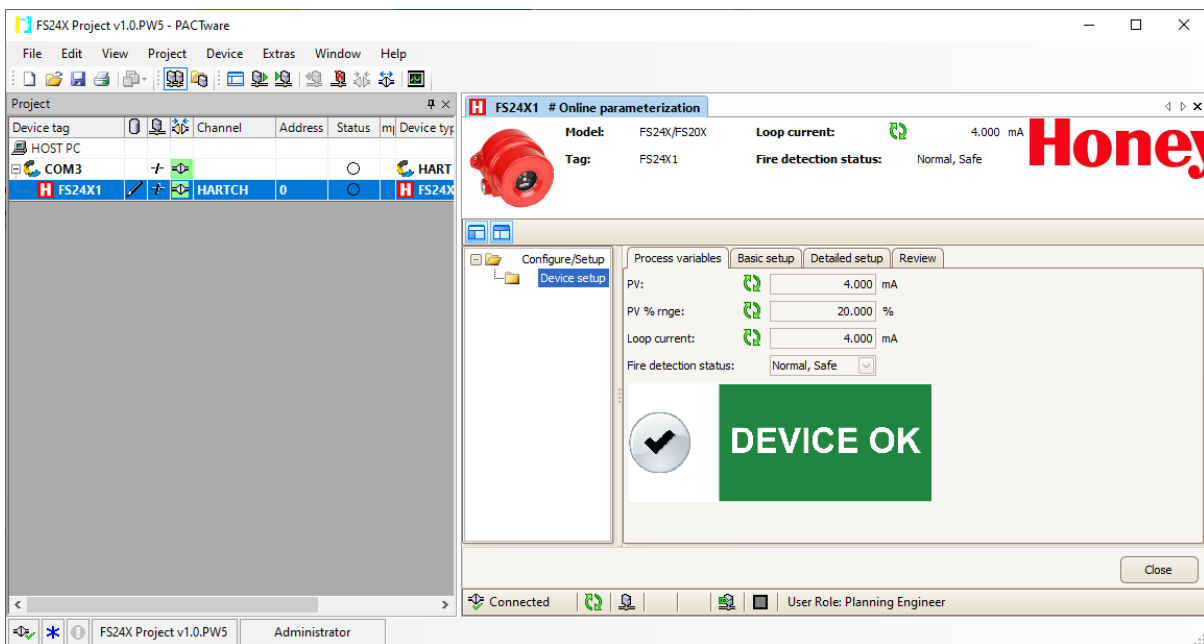
“Store to device” sends the device parameters from the “Offline parameterization” window of the current DTM to the currently connected device. Ensure the offline parameters are appropriate values before sending:



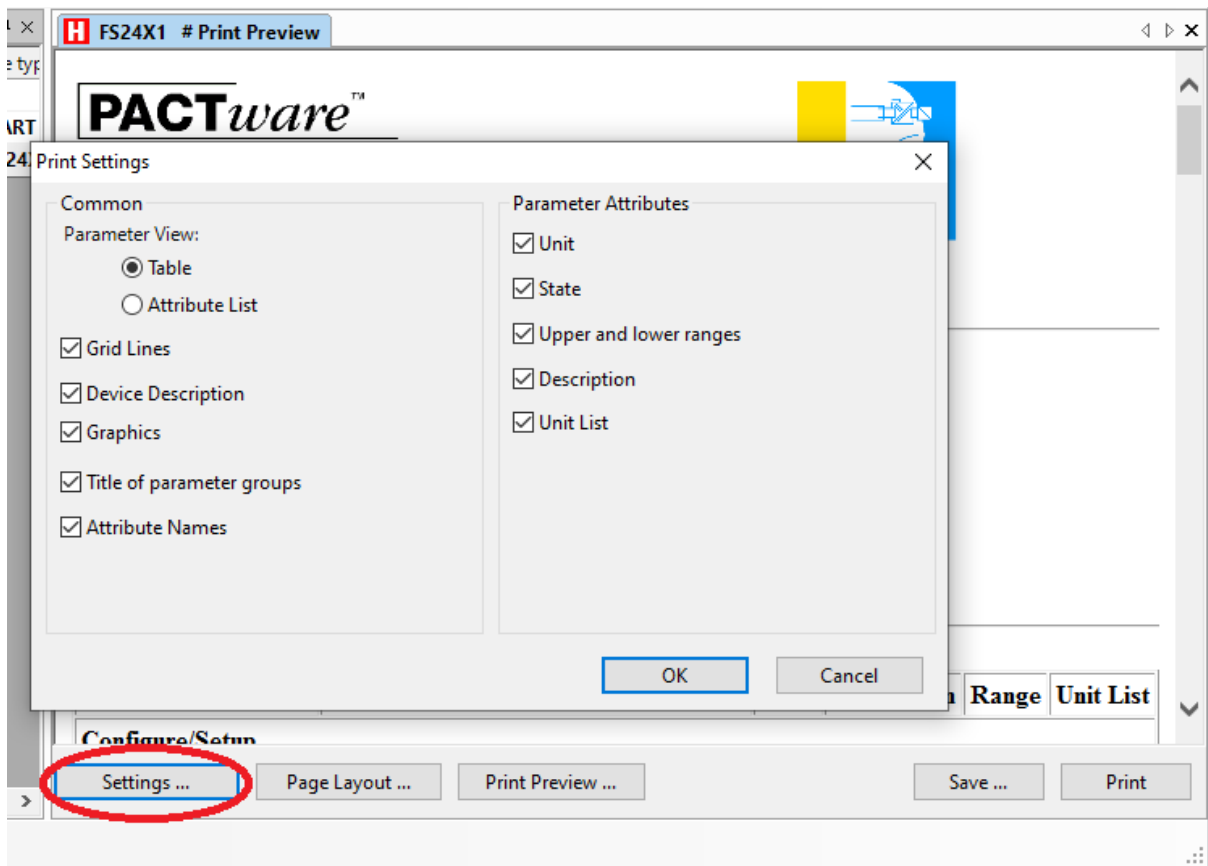
## 7 Print

“Print” is a frame specific function which offers the possibility to print the online/offline parameter set.

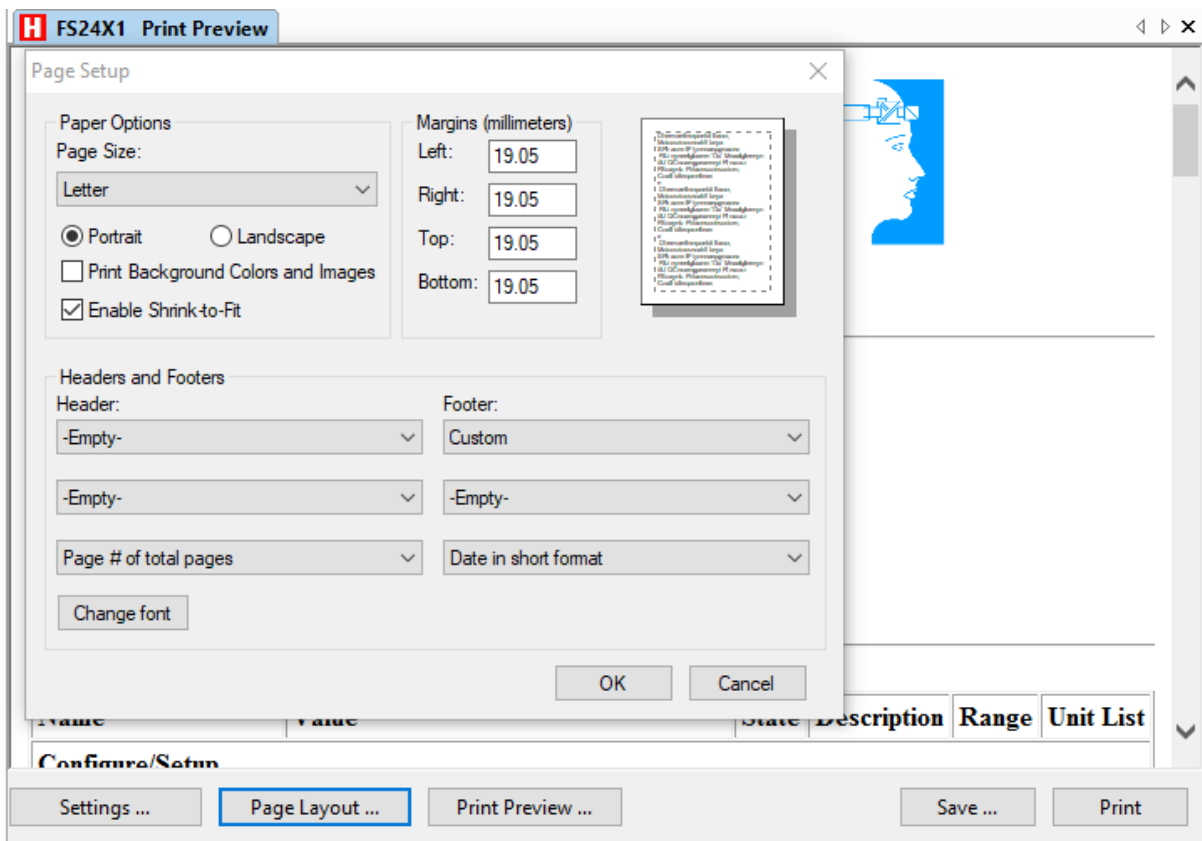
In order to print the parameter list just right-click on device name in the project view on the left-hand side and select “Print” then “Online parameterization” or “Parameterization”:



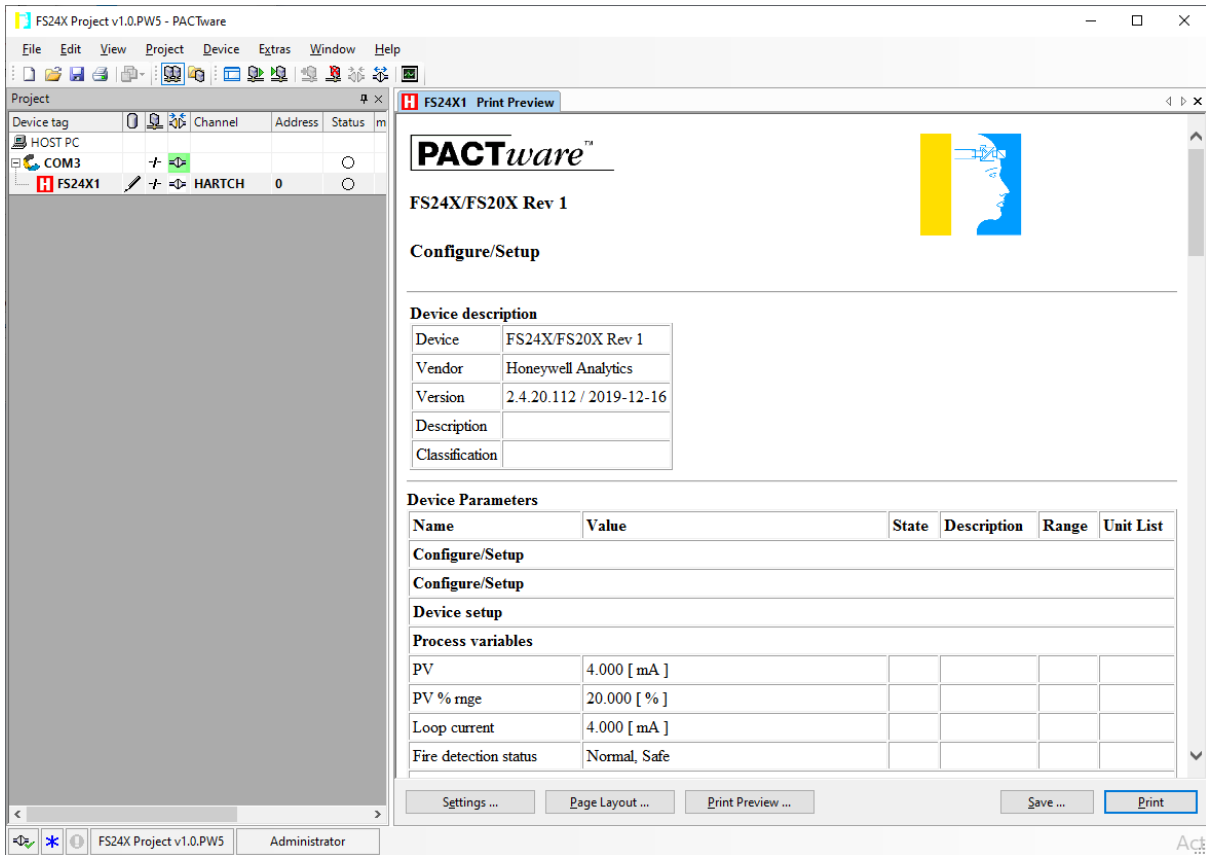
Define the items which shall be printed via “Settings...”:



Also the page layout can be adjusted via “Page Layout...”:



Before printing or saving the file on your computer, the print preview will be displayed:



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