

# 2600T Series Pressure Transmitters Custom Linearization Table with ABB Asset Vision Basic

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applications



**Improved functionality**  
For custom linearization curve

# 2600T Series Pressure Transmitters

## Custom Linearization Curve with ABB Asset Vision Basic

### Introduction

Custom linearization curve can be uploaded into the device using ABB Asset Vision Basic configuration software

### Hardware required

- PC or notebook
- HART USB Modem
- Power Supply

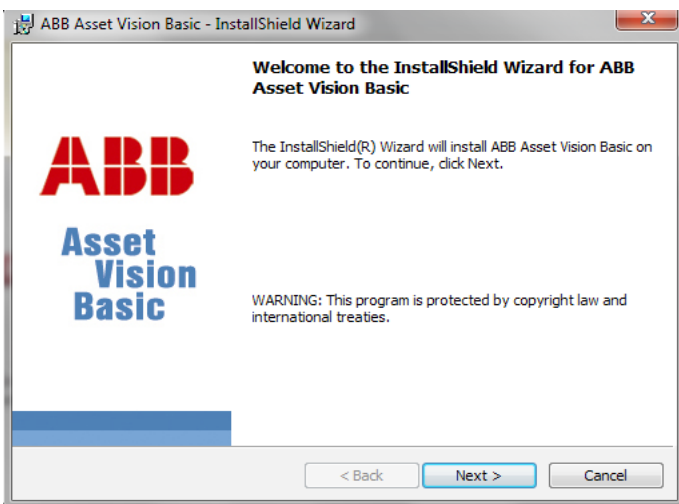
### How to install ABB Asset Vision Basic

Download ABB Asset Vision Basic at

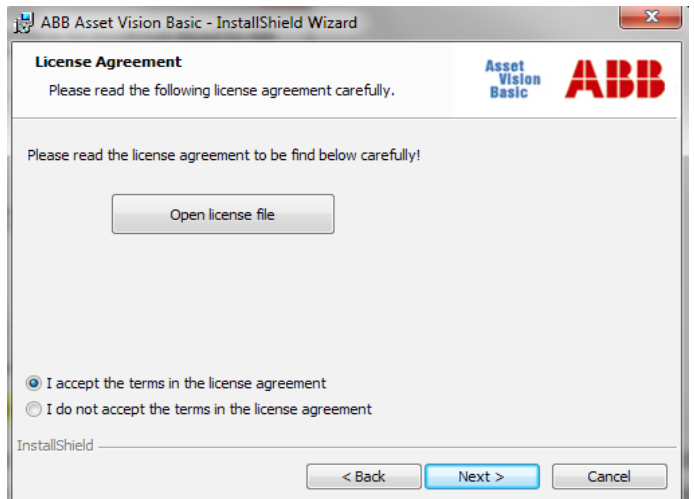
<http://search.abb.com/library/Download.aspx?DocumentID=3KXD151200S0050&LanguageCode=en&DocumentPartId=&Action=Launch>

Unzip the file and follow the path:

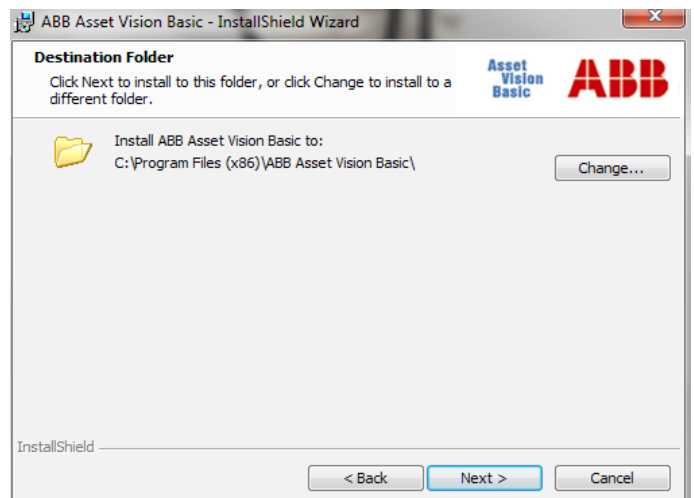
3KXD151200S0050\_Tool\_DAT200\_Asset\_Vision\_Basic > Rev01.03.00\_2016.01 > setup.exe



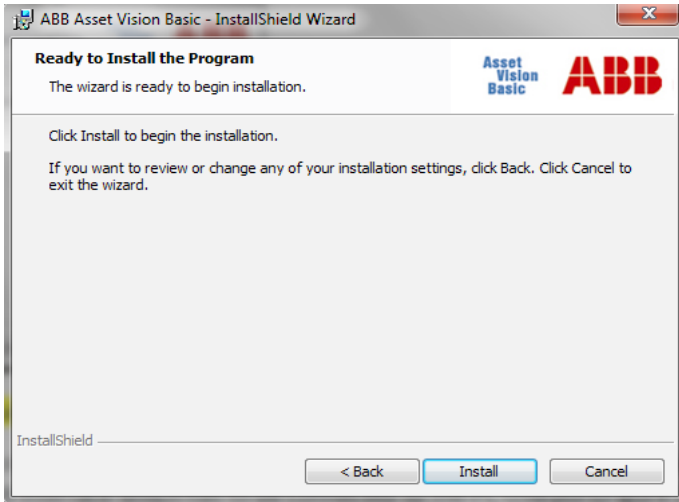
1) Click "Next"



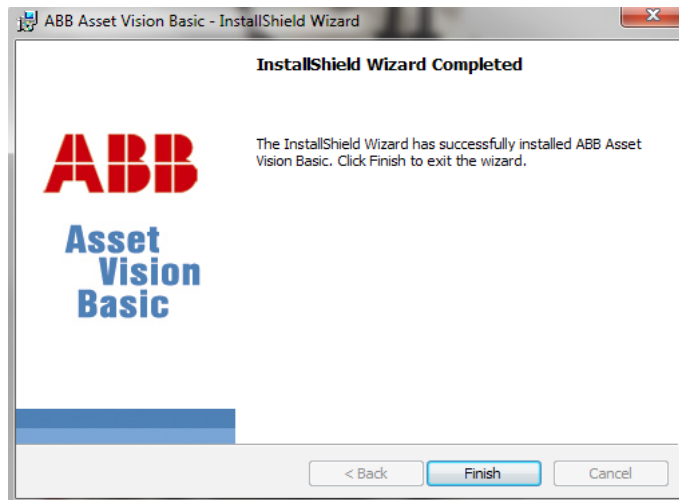
2) Accept the license agreement and go ahead



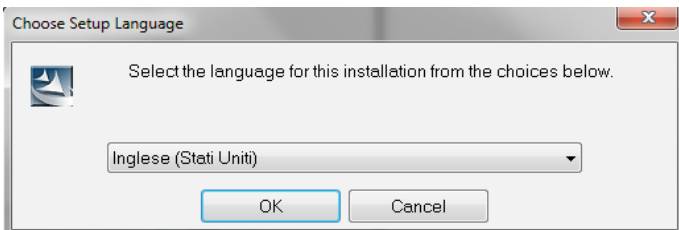
3) Click "Next"



4) Click on “Install” button

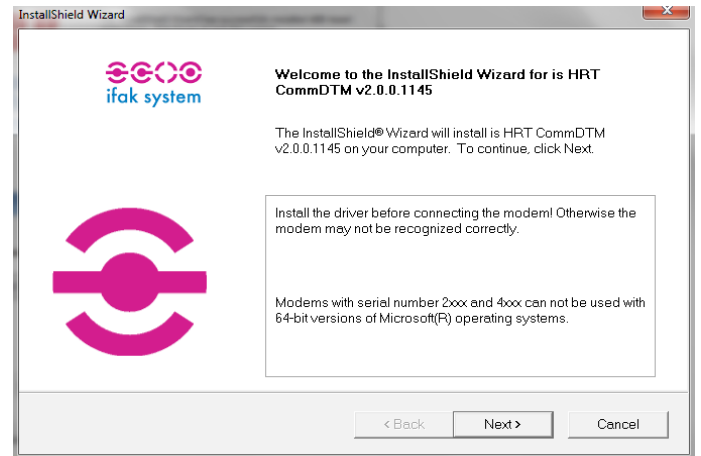


5) Click “Finish”

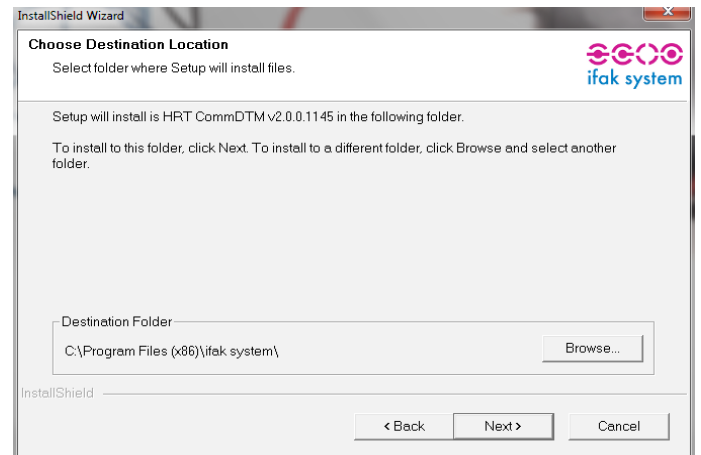


6) Select the preferred language and press “OK”

After the installation of ABB Asset Vision Basic the wizard will ask to install the modem driver. Follow the instruction in order to be able to connect your modem



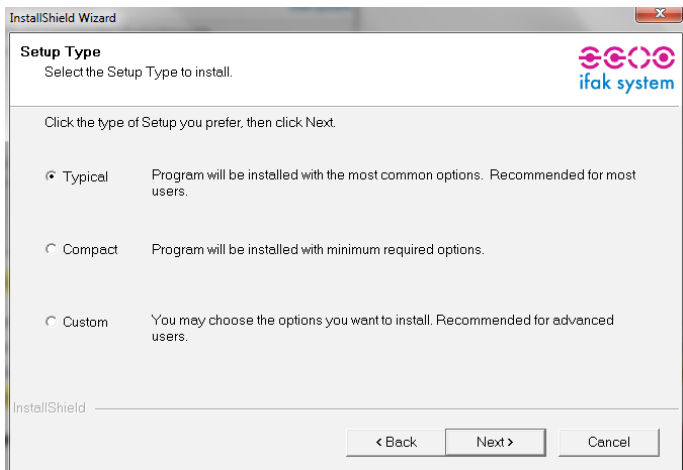
7) Click “Next”



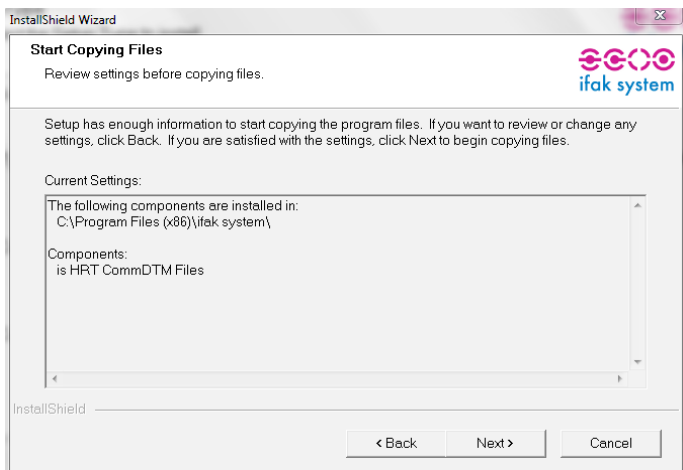
8) Click “Next”

# 2600T Series Pressure Transmitters

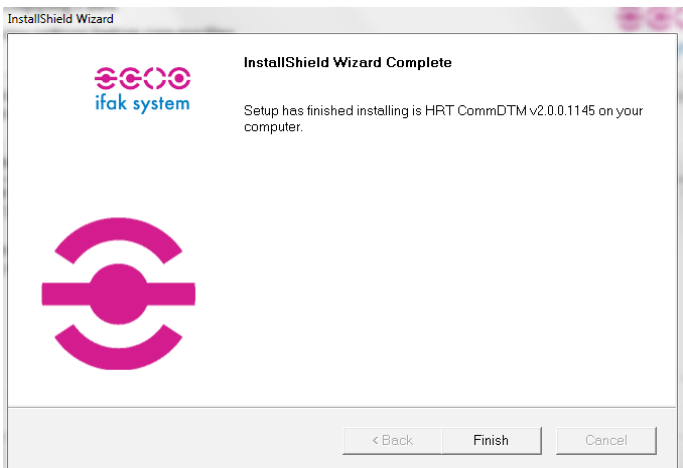
## Custom Linearization Curve with ABB Asset Vision Basic



9) Select **“Typical”** and click **“Next”**



10) Click **“Next”**



11) Click **“Finish”**

Now select your language and continue the installation repeating steps 7) to 11).

At the end of the process restart the computer and be sure the following programs are installed on your computer:

- ABB Asset Vision Basic
- Ifak system > isHRT Configurator
- Ifak system > isHRT Test

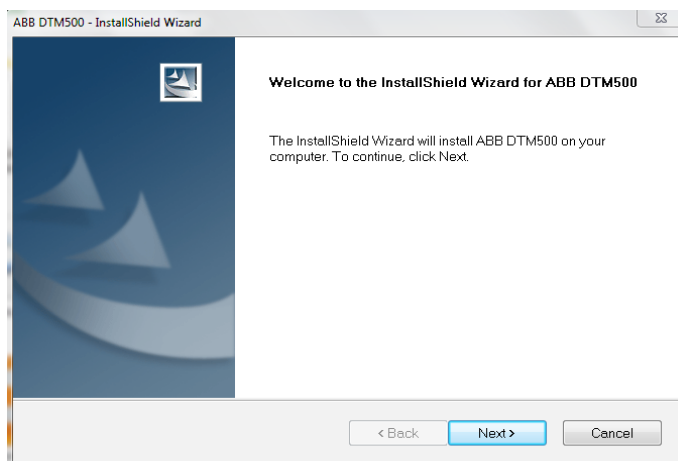
### How to install DTM

Download transmitter DTM at

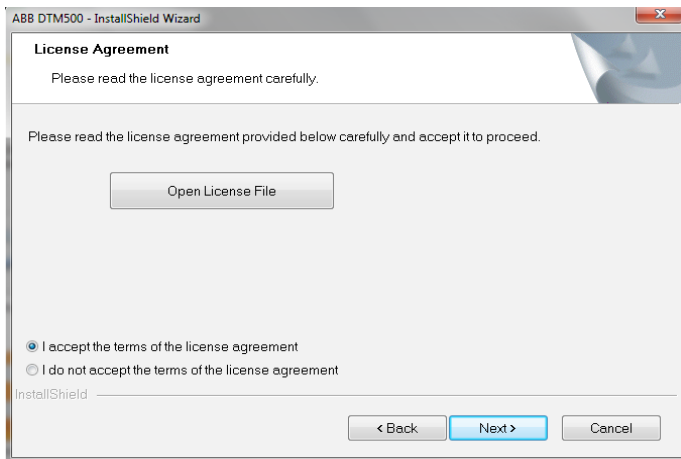
<http://search.abb.com/library/Download.aspx?DocumentID=3KXP000266S0002&LanguageCode=en&DocumentPartId=&Action=Launch>

Unzip the file and follow the path:

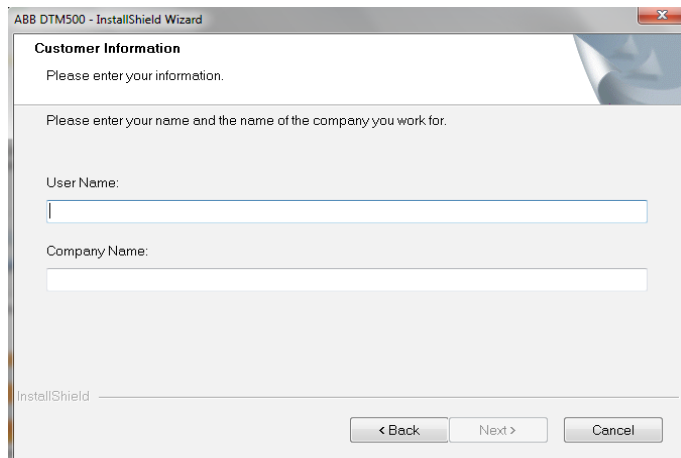
```
3KXP000266S0002_DTM_2600T(266xxx-PdP)_HART >  
Rev05.05.00_05.00.05 > setup.exe
```



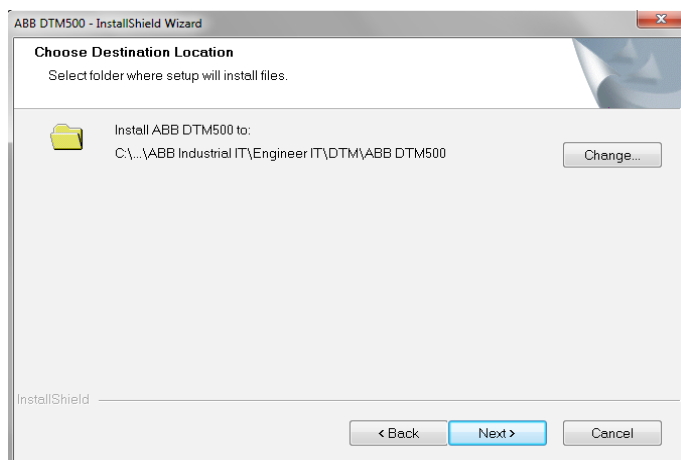
1) Click **“Next”**



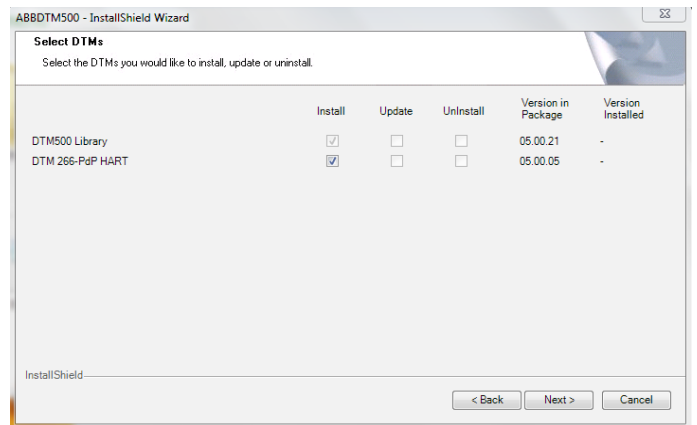
1) Accept the license agreement and click **“Next”**



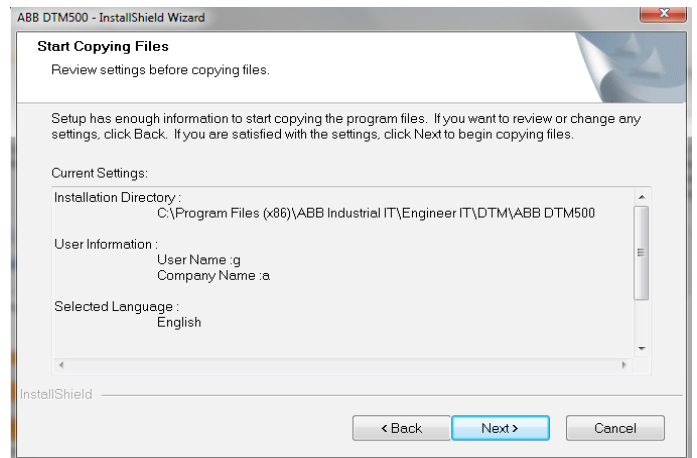
2) Fill the form and click **“Next”**



3) Click **“Next”**



4) Click **“Next”**



4) Click **“Next”**

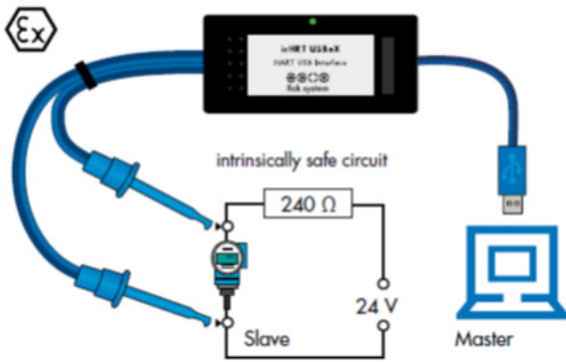
5) Click **“Finish”**

### Connect the device

One end has a USB interface which has to be connected to the PC USB port, whereas minigrabbers must be connected to the transmitter as shown in pictures.

# 2600T Series Pressure Transmitters

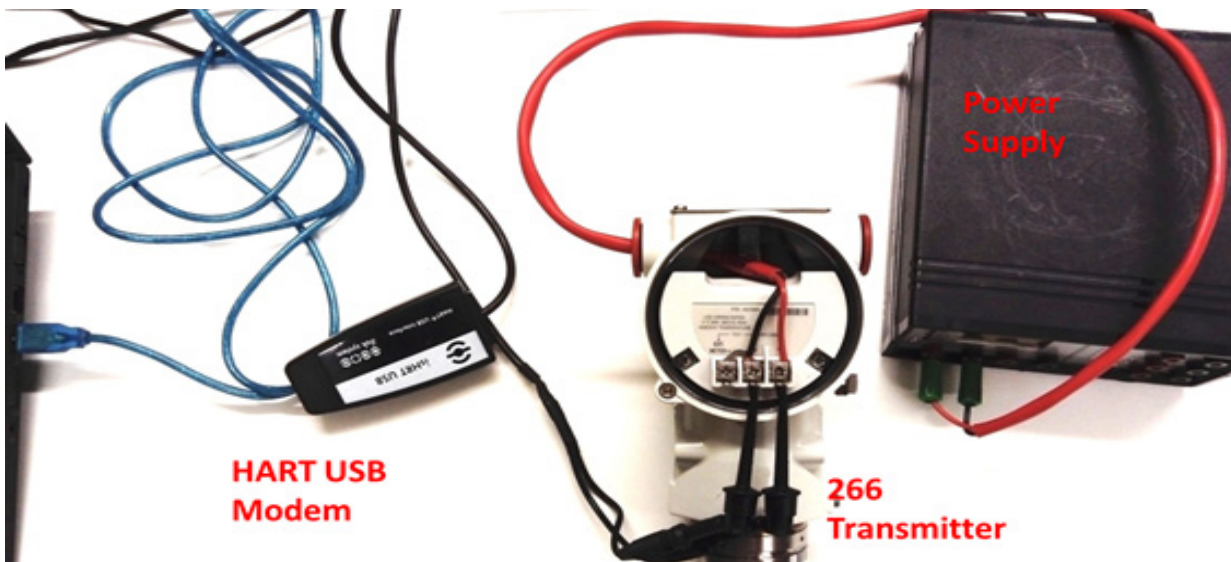
## Custom Linearization Curve with ABB Asset Vision Basic



HART USB modem connection scheme

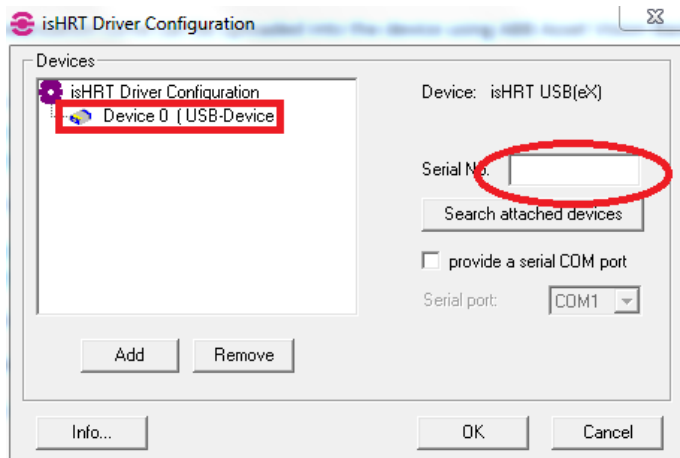


266 Transmitter and HART modem connection



Connection between PC-HART USB Modem-266 Transmitter - Power Supply

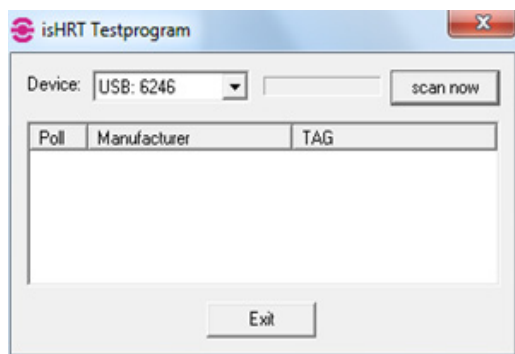
Once the system is linked to the computer open the directory ifak system>isHRT configurator.



Click on “**Device 0 (USB – Device)**” then write in the circled space the modem serial number. The serial number can be found on the rear of the device.

Click “**OK**” to proceed.

In order to verify the connection with the device, open the directory ifak system>isHRT test.



Press “**scan now**”. Be sure the device shown has the same modem serial number.

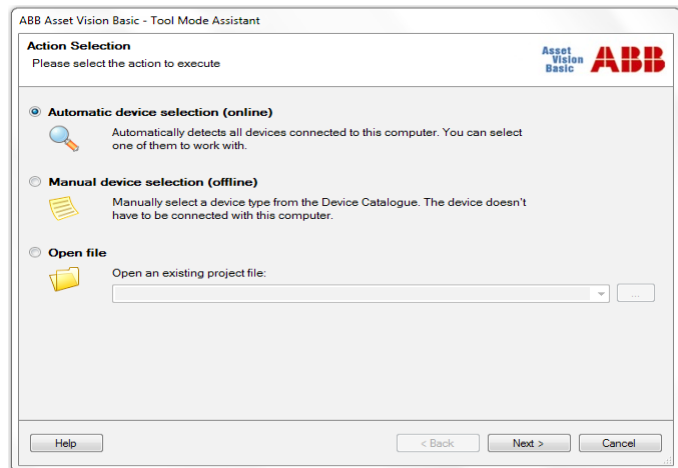
Now you can start ABB Asset Vision Basic.

# 2600T Series Pressure Transmitters

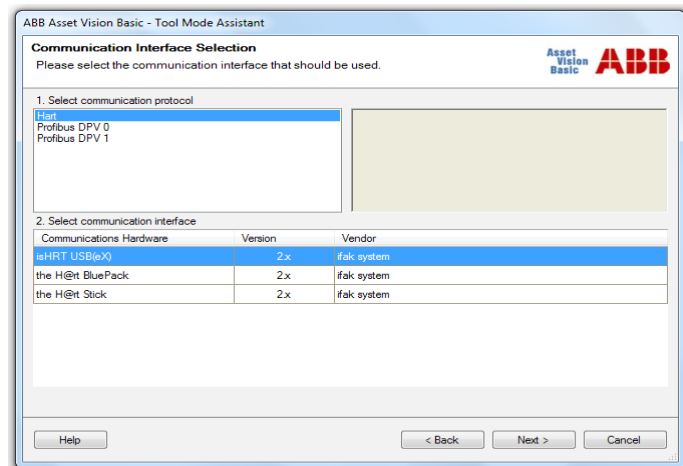
## Custom Linearization Curve with ABB Asset Vision Basic

### How to upload linearization curve on the device

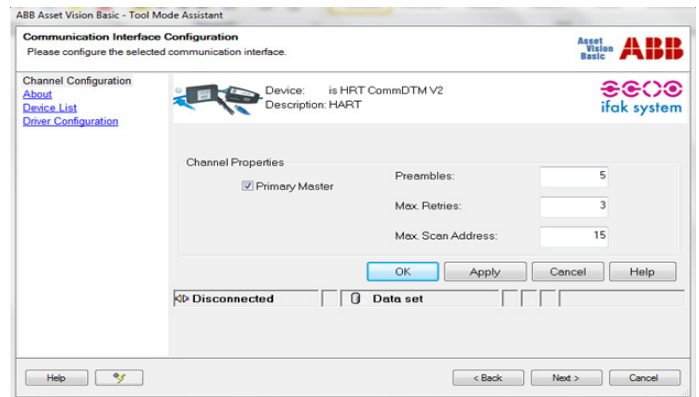
In order to upload the custom linearization curve open ABBAsset Vision Basic.



1) Select **“Automatic device selection (online)”** and click **“Next”**

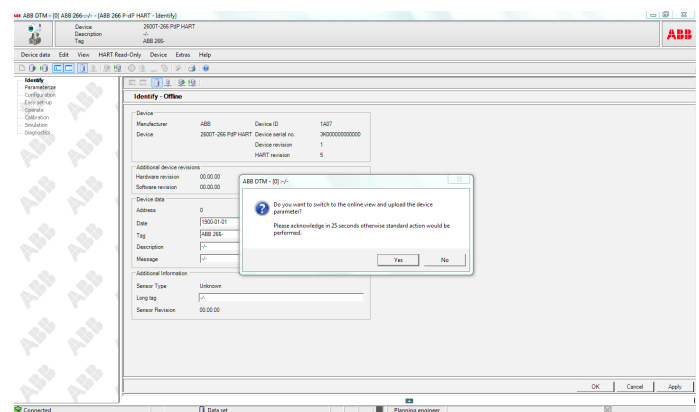


2) In the next window select **“Hart”**, communication protocol then select **“isHRT USB(eX)”** communication interface and click **“Next”**



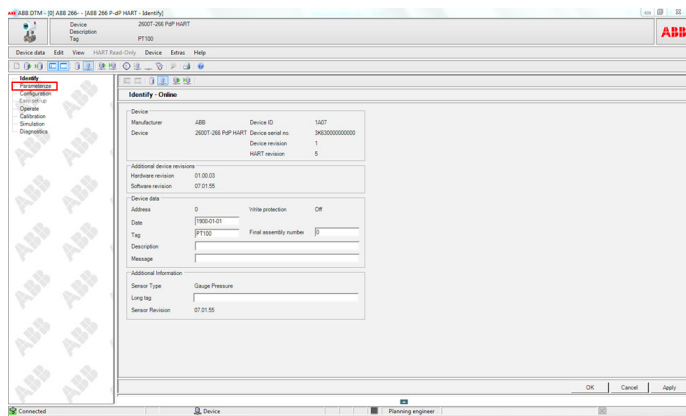
3) Click **“Next”**

ABB Asset Vision Basic will scan the network and detect the transmitter (note: this operation won't be successful if the correct DTM is not installed)



4) Click **“Yes”** to switch online

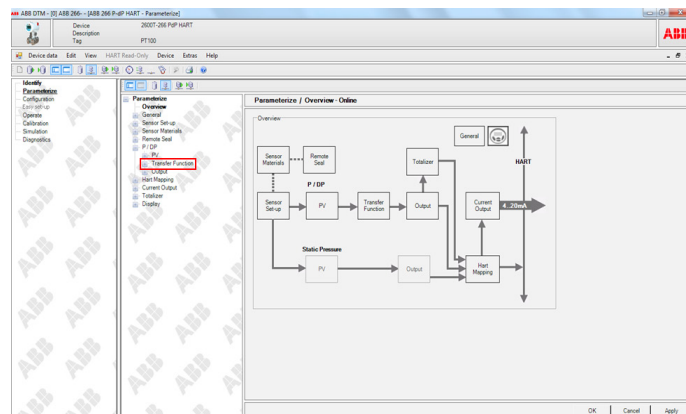




Device Serial Number: 3K646616037507

X Value	Y Value
0	0
13,89	11,11
24,31	22,22
33,33	33,33
42,36	44,44
50,69	55,56
60,42	66,67
71,53	77,78
84,72	88,89
88,19	90
97,22	94,44
100	100

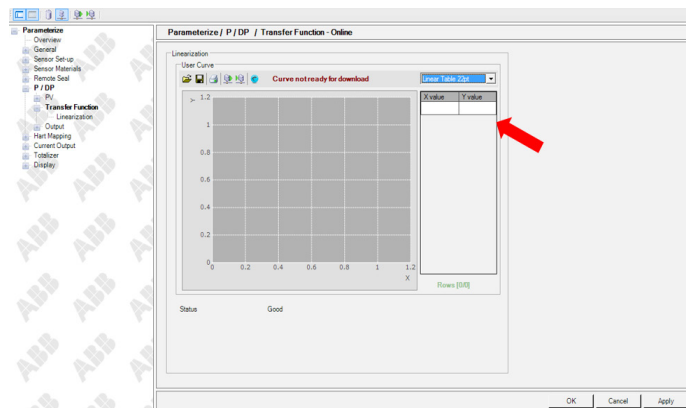
5) Click “Parametrize” on the left column



Device Serial Number: 3K646616037508

X Value	Y Value
0	0
13,89	11,11
24,31	22,22
33,33	33,33
42,36	44,44
50,69	55,56
60,42	66,67
71,53	77,78
84,72	88,89
97,92	94,44
100	100

6) Select “Transfer function”



Device Serial Number: 3K646616037509

X Value	Y Value
0	0
16,08	11,11
26,57	22,22
35,66	33,33
44,06	44,44
53,15	55,56
61,54	66,67
71,33	77,78
81,82	88,89
89,51	94,44
100	100

7) Select “Linear table 22pt” on the drop-down list and write X and Y values in the spaces. X and Y values for each device are listed below:

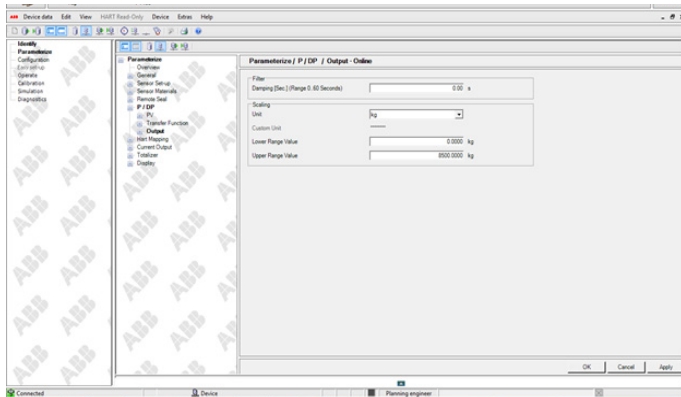
# 2600T Series Pressure Transmitters

## Custom Linearization Curve with ABB Asset Vision Basic

When the table is filled click on “**Apply**” button then click on “store user curve to device”



To set scaling parameters click on Parametrize>P/DP>Output



8) Select on scaling unit “**Kg**”, set lower range equal to 0 and upper range equal to 9000 then click “**Apply**”.



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