

**DTM Release Notes**  
**Single DTMLibrary V2.47.01**  
**HART, PROFIBUS, FOUNDATION fieldbus, Modbus,**  
**EtherNet/IP, IPC, PCP, CDI**

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**Contents**

- 1. General.....3**
- 2. Revision History .....3**
- 3. Installation .....4**
- 4. FDT Version .....5**
- 5. Frame Applications.....5**
- 6. Troubleshooting .....5**
  - 6.1. Gathering necessary information ..... 5
    - 6.1.1. General..... 5
    - 6.1.2. HART ..... 6
    - 6.1.3. PROFIBUS..... 6
    - 6.1.4. Service Flow (ISS) ..... 6
    - 6.1.5. Service "Phanten" (PCP) ..... 6
    - 6.1.6. Service CDI..... 6
  - 6.2. Known issues and limitations..... 6
    - 6.2.1. Installation – issue with third party frames ..... 6
    - 6.2.2. Communication errors during download to device ..... 6
    - 6.2.3. Resetting a device ..... 6
    - 6.2.4. Offline Parameterization..... 7
    - 6.2.5. Additional Functions -> HistoROM ..... 7
    - 6.2.6. Upload functionality..... 7
- 7. Device Configuration .....7**
  - 7.1. HART ..... 7
  - 7.2. EtherNet/IP ..... 7
  - 7.3. Service CDI..... 7
- 8. Supported Devices .....8**
  - 8.1. HART, PROFIBUS, FOUNDATION fieldbus, Modbus, EtherNet/IP ..... 8
  - 8.2. Service: CDI, IPC, PCP..... 8

## 1. General

These release notes describe general information concerning the installation of DTMs, their compatibility with FDT Frame applications, and known issues and workarounds.

Details on platform compatibility can be found in the folder "Technical Information" on the FieldCare DVD.

Information to identify DTMs can be found within this document, as well as device configuration and device specific specialties.

## 2. Revision History

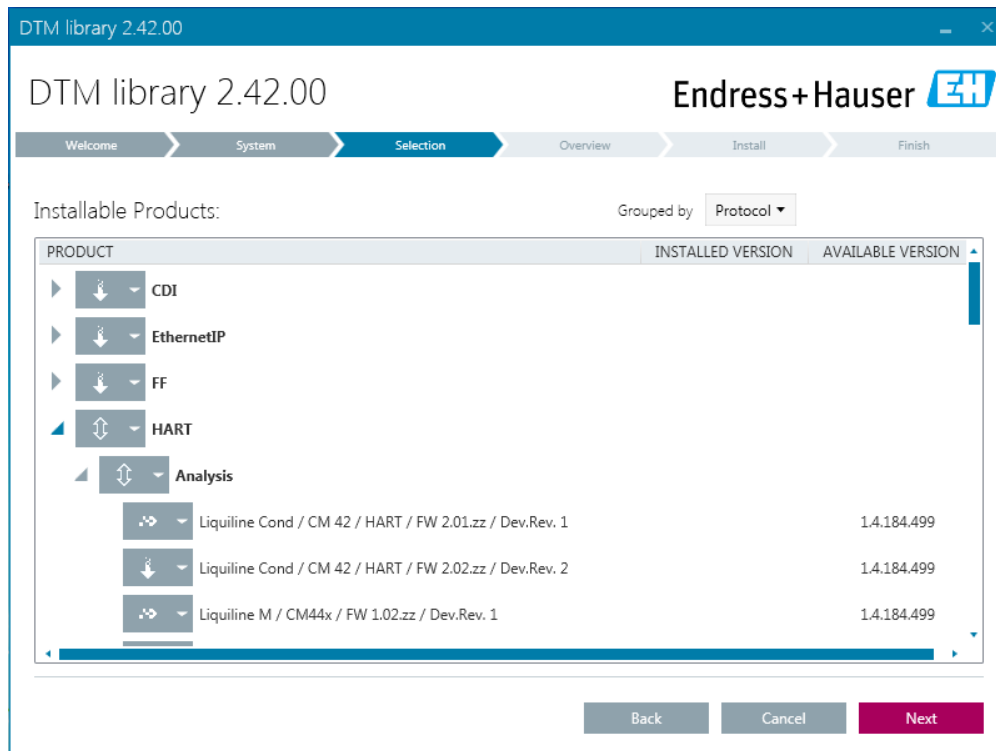
Product-Version	Improvements /Changes
V2.47.01	This is only a bugfix
V2.47.00	New devices and bugfixing
V2.46.00	New HART, PROFIBUS, IPC devices and bugfixing
V2.45.00	New HART, PROFIBUS, FOUNDATION fieldbus, EtherNet/IP, CDI devices and bugfixing
V2.44.00	New HART, PROFIBUS, EtherNet/IP, CDI Geräte and bugfixing
V2.43.00	New HART, PROFIBUS, CDI devices and bugfixing
V2.42.00	New HART, PROFIBUS, FOUNDATION fieldbus, CDI devices and bugfixing
V2.41.00	New HART, PROFIBUS, FOUNDATION fieldbus, EtherNet/IP, CDI, IPC, ISS devices and bugfixing

### 3. Installation

Installation of the **Single DTM library 2.47.00** contains all DTMs for the following fieldbuses and service protocols:

- HART
- PROFIBUS
- FOUNDATION fieldbus
- Modbus
- EtherNet/IP
- CDI
- PCP
- IPC

The Setup of the Single DTM library contains above listed DTM libraries. During installation this new setup enables the ability to select measuring methods, protocols and single/multiple device DTMs. The following screenshot shows as an example this selection of the setup:



## 4. FDT Version

The DTMs are compatible to interface specification FDT 1.2 including addendum.

## 5. Frame Applications

The DTMs are released for:

- FieldCare V2.13.zz
- DeviceCare V1.05.zz
- PACTware V5.0 (1,2)
- Yokogawa PRM R3.31 (1,2)
- Honeywell FDM R450 (1,2)

(1) does not apply for Service libraries

(2) The Devices in detail are listed on the Endress+Hauser Download Area

If these DTMs are used in combination with a different (not listed) frame application, then Endress+Hauser cannot guarantee for their correct function.

If the DTMs need to be integrated in third party frame applications, please contact Endress+Hauser.

## 6. Troubleshooting

If any problems with Endress+Hauser DTMs are encountered, please gather the following information before contacting your local Endress+Hauser representative or service.

### 6.1. Gathering necessary information

#### 6.1.1. General

Please gather the following:

- Name of the frame application and it's version; for this refer to the about box
- WINDOWS version and its service pack.

In addition, please select the about box for the device from the context menu (by right clicking on the device in the network view <Additional functions><About ...>) and then proceed with the next chapter according to the communication protocol.

### **6.1.2. HART**

Determine the identification code in the field "Version:" of the Aboutbox, e.g. "H/000017/0007/07020S/01045500-01040055-01040055".

### **6.1.3. PROFIBUS**

Determine the identification code in the field "Version:" of the Aboutbox, e.g. "P/000017/5421/0101S/1.5.37/1.5.37006".

### **6.1.4. Service Flow (ISS)**

Determine the identification code in the field "Version:" of the Aboutbox.

### **6.1.5. Service "Phanten" (PCP)**

Determine the identification code in the field "Version:" of the Aboutbox.

### **6.1.6. Service CDI**

Determine the identification code in the field "Version:" of the Aboutbox.

## **6.2. Known issues and limitations**

### **6.2.1. Installation – issue with third party frames**

Using third party Frames, it may be the case that a .net Framework Version 3.5 or 4.0 is not installed. However, for installation or the use of the DTM's it is necessary to have the above mentioned .net frameworks installed.

### **6.2.2. Communication errors during download to device**

Currently it cannot be automatically checked if the device is locked or not. Check the "Lock/Unlock" menu before downloading or accessing the device.

The locking/security code is device specific. Therefore refer to the Operating Manual of the corresponding device.

### **6.2.3. Resetting a device**

After reset some devices need a few seconds to re-establish communication. In this case, the DTM window will open again automatically. If the reconnection is not established, disconnect (menu <Device Operation><Go offline>) and re-connect (menu <Device Operation><Go online>) the device again.

#### 6.2.4. Offline Parameterization

On changing a unit parameter it may occur that parameters (values) which do not depend on this specific unit parameter will be recalculated.  
After changing a unit parameter you should validate all editable parameters depending on any unit parameter.

#### 6.2.5. Additional Functions -> HistoROM

If there are neither diagram values nor time stamp values shown on the x-axis, you can reset the zoom range via the context menu of the diagram to enable these values again.

#### 6.2.6. Upload functionality

The "Upload" function may take up to 20 minutes depending on the complexity of the device.

### 7. Device Configuration

For the following devices there are special remarks for their configuration.

#### 7.1. HART

##### Tank Gauging Radar NMR8x Dev.Rev.2

After reading the histoROM data, the values will not be shown correctly if the PC clock is not synchronous with the Device clock.

After changing the time in the device (device time = PC time), deleting the trend data and reading again, the curves will be displayed correctly.

##### TMT 162

Resetting the "Configuration Changed Flag" does not work via the button in the "Diagnosis" window.

This can be reset in menu Diagnosis during online configuration.

#### 7.2. EtherNet/IP

##### Promass 100

Device Revision 1 does not provide offline parameterization.

#### 7.3. Service CDI

##### CM442

The Up/Download is not supported for this device.

## **8. Supported Devices**

### **8.1. HART, PROFIBUS, FOUNDATION fieldbus, Modbus, EtherNet/IP**

See device list.

### **8.2. Service: CDI, IPC, PCP**

See device list.