

DTM Release Notes
Single DTMLibrary V3.00.00
HART, PROFIBUS, FOUNDATION Fieldbus, Modbus,
EtherNet/IP, IPC, PCP, CDI

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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 "Documentation/DTM library" on the FieldCare USB medium.

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

2. Revision History

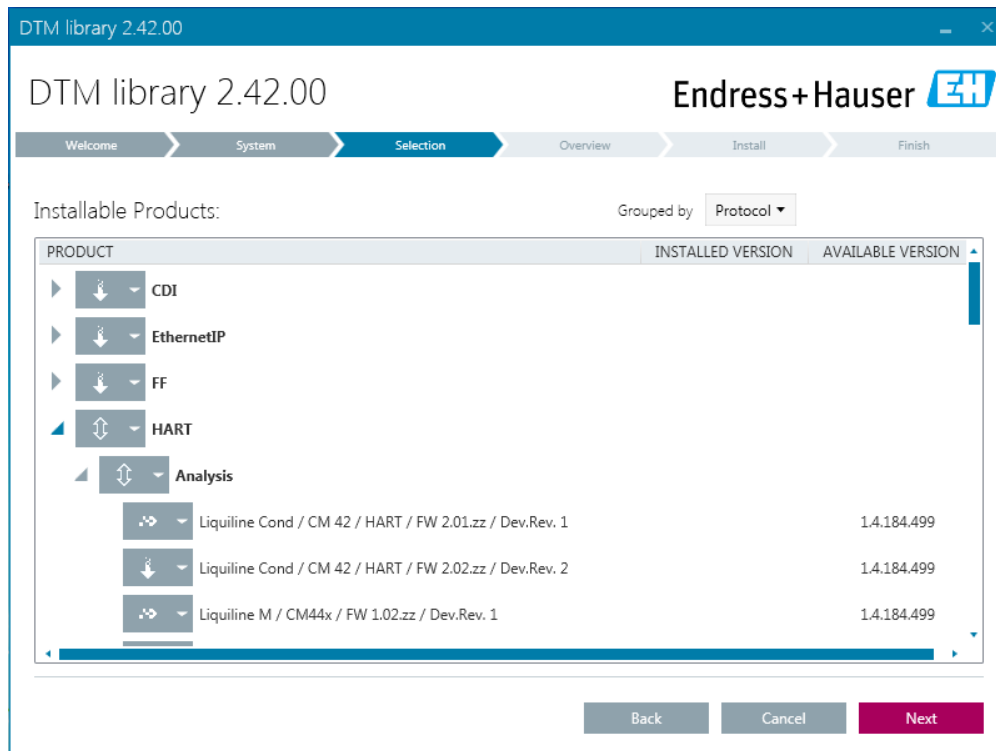
| Product-Version | Improvements /Changes |
|-----------------|---------------------------------------------------------------------------------|
| V3.00.00 | New devices and bugfixing, the migration is not supported anymore |
| V2.49.00 | New devices and bugfixing |
| V2.48.00 | New devices and bugfixing |
| 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 |

3. Installation

Installation of the **Single DTM library 3.00.00** 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 V2.17.zz
- DeviceCare V1.07.zz
- PACTware V5.0 (1,2)
- Yokogawa PRM R4.03 (1,2)
- Honeywell FDM R511 (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 its 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. Supported Devices

7.1. HART, PROFIBUS, FOUNDATION Fieldbus, Modbus, EtherNet/IP

See device list.

7.2. Service: CDI, IPC, PCP

See device list.