

Content

1 Device - Revision Record / What is new? 1

1.1 Hardware 1

1.2 Software 1

2 DTM (Device Type Manager)..... 1

2.1 Supported devices..... 1

2.2 DTM Version record / What is new?..... 1

2.3 Requirements 1

2.3.1 PC-Hardware, Operating system..... 1

2.3.2 Frame application / compatibility 1

2.4 Installation and configuration..... 2

2.4.1 Installation 2

2.4.2 Uninstall instructions 2

2.5 Update- / Upgrade instructions..... 2

2.6 Known problems and limitations..... 2

2.7 How to get the Software (driver)?..... 2

2.8 Licensing the DTM 2

3 EDD..... 2

3.1 Supported devices..... 2

3.2 EDD Version record / What is new? 2

3.3 Requirements 3

3.3.1 Frame application / compatibility 3

3.4 Installation and configuration..... 3

3.5 Known problems and limitations..... 3

3.6 Getting help / further information..... 3

3.7 How to get the Software (driver)?..... 3

1 Device - Revision Record / What is new?

1.1 Hardware

Released Revision	Released Date	Remarks
01.05	May 2006	First release
01.06	April 2007	New Features

1.2 Software

Released Revision	Released Date	Remarks
01.00.xx	May 2006	First release
01.01.xx	April 2007	New Features

2 DTM (Device Type Manager)

2.1 Supported devices

Temperature transmitter TTH300-HART / TTF300-HART / TTF350-HART with HW-Version 01.05 and SW-Version 01.00.05 or higher

- TTH300 Head-mounted transmitter
- TTF300 Field device
- TTF350 Field device

2.2 DTM Version record / What is new?

- Compatible to FDT 1.2 frame applications

Released Version	Released Date	DTM LIBRARY Version	Remarks
01.00.00	July 2006	≥ 2.00.3x P5	First release
01.01.07	April 2007	≥ 2.00.3x P5	Support of SW-Vers. 01.01.xx
01.01.08	Dez. 2007	≥ 2.00.3x P5	Bug Fix / external cold junction

2.3 Requirements

2.3.1 PC-Hardware, Operating system

- Minimum requirement
 - Intel Pentium III Processor 450 MHz or compatible.
 - 256 MB RAM memory.
 - 300 MB free hard disk space.
 - Windows 2000 / XP
 - Internet Explorer 5.0.
 - Adobe Reader current version
 - Administrator rights for installing the DTM

The ABB DTM TTX300-HART is released for Windows 2000 and Windows XP Professional as PC / Notebook Installation.

2.3.2 Frame application / compatibility

The FDT 1.2 compatibility was tested with the dtmINSPECTOR Rev. 1.01.21.

Therefore the ABB DTM should be usable in all frame applications according to the requirements of FDT 1.2. Please read the respective frame application documentation, too.

2.4 Installation and configuration

2.4.1 Installation

- Make sure that the minimum hardware requirements are met.
- Start Windows (login with administrator rights!).
- Cancel all running programs.
- Insert CD-ROM.
- Start "Setup.exe" in the DTM\ABB DTM TTX300-HART directory of the CD or in the folder you have chosen for the software downloaded from the Internet.
- Follow the instructions.

2.4.2 Uninstall instructions

In the operating system: "Start -> Settings -> Control Panel -> Add/Remove Programs -> Install/Uninstall" -> Select the DTM and Uninstall.

In any case first uninstall all DTMs before uninstalling the frame application SMART VISION.

2.5 Update- / Upgrade instructions

- Uninstallation is not needed before update / upgrade. It can be handled like a new installation, existing projects will be kept.
- Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

2.6 Known problems and limitations

Valid for FDT frame applications only:

- TAG cannot be set via a DTM.
In DSV401 (SMART VISION) this limit does not apply.
- DTM cannot switch to Offline mode if working with Online Application. Device has to be disconnected first and then the DTM can be switched to Offline mode only.
In DSV401 (SMART VISION) this limit does not apply.
- It could happen that the list of available functions for a DTM in the frame application does not get updated.
If that happens, click on "New project" in the frame and when prompted to save click on "Cancel". The DTM menu with all functions in the frame will be available again.
In DSV401 (SMART VISION) this limit does not apply.
- If starting a DTM fails with a runtime error 6 which occurs together with a control SV4_digital.OCX, the PC needs to reboot.
- Make sure all possibly existing spaces are deleted before modifying the the fields "Message" or "Note".
- A connection interruption occurring in open windows is only displayed in the status bar.
- Make sure the DTM is not opened a second time, when the window might be already opened in the background.
- If the connection breaks during download procedure, restart the frame application and try again.
- Valid for FDT frame applications only:
- TAG cannot be set via a DTM.
In DSV401 R3 (SMART VISION) this limit does not apply.
- DTM cannot switch to Offline mode if working with Online Application. Device has to be disconnected first and then the DTM can be switched to Offline mode only.
In DSV401 R3 (SMART VISION) this limit does not apply.
- It could happen that the list of available functions for a DTM in the frame application does not get updated. If that happens, click on "New project" in the frame and when prompted to save click on "Cancel". The DTM menu with all functions in the frame will be

available again.

In DSV401 R3 (SMART VISION) this limit does not apply.

- Getting help / further information
- Press 'F1' for online help. Help concerning the implementation of the DTM in the FDT frame application (e.g. SMART VISION, ...) can be found in the respective documentation.

Hints regarding commissioning

- When a device has been connected for the first time, and an upload was done, it is recommended to save all data using the menu file/save as dataset. (database suffix *.dat)
- Initialisation of the DTM for the ABB DTM TTX300-HART: For starting the DTM, the ABB DTM TTX300-HART has to be used when creating the project tree. For initialisation select the menu item "More" in the "Device" menu. Depending on the operating speed of the PC this could take some seconds.
- Configuration of the ABB DTM TTX300-HART: The DTM is started by right-clicking the device menu item or clicking on the SMART VISION "Device" menu entry. In both cases select "Edit". Changed data is displayed in blue and underlined. Using the command "Save data to device" this data will be sent to the device.

2.7 How to get the Software (driver)?

Please use one of the following ways to get the Software (driver):

- Available on the newest DTM & DSV401 (SMART VISION) CD-ROM

The latest Software (driver) and "Supplementary Information" at one time with hints regarding new versions, known problems and limitations, etc. may be found:

- As download from <http://www.abb.com/Fieldbus>
->[select Fieldbus protocol]
->[select field device]
->[select device group / name]
use link read more
-> go to flag "Fieldbus & HART Files"
- The Aspect Object (*.afw) online file contains all driver and information. For the *.afw file
-> go to flag "Downloads"

2.8 Licensing the DTM

- The DTM is usable without any license in any frame application.
- After the installation the ABB DTM runs 90-days in demo mode (full functionality) and needs to be purchased within this period, when the storage of data on a PC / Notebook being requested.
- By purchasing the DSV401 R3 (SMART VISION) single PC license the ABB DTM is also operable without restriction and does not have to be ordered separately!

3 EDD

3.1 Supported devices

Temperature transmitter TTX300 series

3.2 EDD Version record / What is new?

Released Version	Released Date	Remarks
01 02	Nov. 2006	First Release

3.3 Requirements

3.3.1 Frame application / compatibility

The EDD is released for PDM 6.0 SP2 and SDC625.

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

3.6 Getting help / further information

3.7 How to get the Software (driver)?

Please use one of the following ways to get the Software (driver):

- Available on the newest CD-ROM / disc in the field device box.
The latest Software (driver) and "Supplementary Information" at one time with hints regarding new versions, known problems and limitations, etc. may be found:
- As download from <http://www.abb.com/Fieldbus>
 - >[select Fieldbus protocol]
 - >[select field device]
 - >[select device group / name]
 - use link read more
 - > go to flag "Fieldbus & HART Files"
- The Aspect Object (*.afw) online file contains all driver and information. For the *.afw file
 - > go to flag "Downloads"

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