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*) DTM400 Bundle Supplement Info is available on the data medium \documentation or latest in www.abb.com/fieldbus. Enter here in the search field following No. "3KXD801400R3901"

1 Device - Revision Record / What is new?

1.1 Hardware

Released Revision	Released Date	Remarks
1.0	29.05.2000	First release

1.2 Firmware

Released Revision	Released Date	Remarksn
0.16	23.05.2000	First release
0.21	03.05.2001	Correction of curve cylindrical lying tank and spherical tank
0.24	23.01.2003	Compatibility to 267/269
0.25	05.04.2005	Bugfixing

2 DTM - Device Type Manager

2.1 Supported devices

- ABB DTM TO2600-PA for
 - 2600T Series Pressure Transmitters 263/265 PA
 - 2000T Series Pressure Transmitters 2010TD, 2020TG, 2020TA, 2010TA (2010TC up to software revision 0.21).

2.2 DTM Version record / What is new?

- Compatible to FDT 1.2 frame applications.
- Offline configuration for transmitter
 - 263D./265D. for differential pressure
 - 263J./265J. for differential pressure and absolute pressure
 - 263G./265G. for gauge pressure
 - 263A./265A. for absolute pressure

Released Version	Released Date	Remarks
01.00.00	01.02.2001	First release
01.00.01	09.03.2001	Correction gas flow calculation
01.01.00	22.03.2002	FDT 0.98-1, offline configuration
01.02.00	28.03.2003	FDT 1.2, completion 2600T (265)
01.02.01	12.03.2004	Adaptation licence modul
01.02.03	06.10.2005	Resources requirements reduction
01.02.04	09.10.2007	Correction of minor errors
01.02.05	28.11.2007	Correction of minor errors
01.02.06	23.07.2009	Correction of linearisation curve

2.3 Requirements

2.3.1 PC-Hardware, Operating system

See DTM400 Bundle Supplement Info*)

2.3.2 Frame application / compatibility

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

Therefore the ABB DTM should be usable in all Frame Applications according the requirements of FDT 1.2. Please read also the respective Frame Application documentation.

2.4 Installation and configuration

2.4.1 Installation

- Make sure that the minimum hardware requirements are met.
- Start Windows (with administrator rights!).
- Cancel all running programs.
- Insert CD-ROM.
- Start "Setup.exe" in the DTMDTM TO2600-PA (265, 2010Tx, 2020Tx) directory of the CD or in the folder you choosed for the software uploaded from the Internet.
- Follow the instructions.

2.4.2 Linking Device / SK2 and SK1 hints

In case you intend to use PROFIBUS PA devices in a system application and you are using a DP/PA Linking Device allowing a DP Baud Rate > 93,25 kbaud, you need to convert the GSD-files of the PA-devices.

The DP/PA Linking Device may be:

- ABB Linking Device LD800P
- P&F coupler SK-2

Following the installation of the DTM on your System, please localize the GSD-file of the respective device.

Normally it is stored under the following path:

...\Program Files\SMART VISION\SVDDesc\COM_DPV1\...*.*.GSD
The names of GSD-file contain usually the PNO-ID of the supported device.

Example:

The GSD-file for the 2600T(265xx) is stored in the directory:
...Program Files\SMART_VISION\SVDDesc\COM_DPV1_0016_1_04c2
Filename: ABB_04C2.GSD

Implementation of the new GSD-file:

The converted GSD-file made available by ABB and to find as *GSD *.zip file on the CD-ROM in the device box or on the following Internet address <http://www.abb.com/instrumentation>.

Please rename the original GSD-file

-> e.g. from "ABB_xxxx.GSD" to "ABB_xxxx.BAK"

Following this, rename the new GSD-file (e.g. YP00xxxx.GSD) with the same name than the original GSD-file (ABB_xxxx.GSD)

Restart setup:

Please restart the DTM setup with 'setup.exe'

2.4.3 Uninstall instructions

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

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.
- By using a DP/PA Linking Device allowing a DP Baud Rate > 93,25 kbaud:
- When updating / upgrading the PROFIBUS PA-DTM it is necessary to re-integrate the converted GSD-file for Linking Devices in the PA-DTM again!
Workflow see chapter "Linking Device/SK2 and SK1 hints"
- Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

2.6 Known problems and limitations

- For profibus devices with software version < 0.21 the curves for cylinder and spherical tank are changed.
- The linearisation curve can only be adjusted from Software Version 0.20 (Identification/Additional Information).
- An automatic download of previously configured data in the transmitter is not possible by Symphony/Freelance in the planning phase, because a complete plausibility check of the instrument version is only possible with an active DTM and connection to the transmitter. To configure and download the data, the DTM must be started in commissioning phase and a connection must be available.

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.

2.7 Getting help / further information

Press 'F1' for online help. Help concerning the implementation of the DTM in the system environment can be found in the respective documentation.

Hints regarding commissioning

- Initialisation of the DTM for the 2600T:
For starting the DTM, the DTM for the 2600T as HART or PROFIBUS device has to be used when creating the project tree. For PROFIBUS the Slave Address of the 2600T must be indicated. For initialisation the point "More" has to be selected in the menu under "Device". Depending on the operating speed of the PC this could take some seconds.
- Configuration of the 2600T:
The DTM is started by clicking the right mouse key or via the menu point "Device", in each case with "Edit". After a "Connection set-up" first of all the data of the 2600T should be loaded completely. Changed data are displayed in blue and underlined. Using the command "Save data to device" these data are sent to the device.
- After an upload of the device data into the DTM it is recommended to save all data.

Remarks on the configuration of the transmitters 2600T

- After storing the data in the transmitter, the data are stored automatically in a non-volatile manner. To do this, the power supply of the transmitter must be kept for 2 minutes. If this is not observed, the previous data become active again during the next operation.
- With 2000T software version < 0.20 the data will be stored after disconnecting the device.
- The permanent saving will be immediately activated with 'Device/Straight EEPROM data save'.
- In case of devices for Profibus an adjustment of the devices is still possible when switching off the "Local operation" by means of the operating keys, if no cyclic communication exists. If the write protection is set with the DTM, it is no longer possible to change the adjustment of the transmitters 2600T by means of the operating keys.
- For PROFIBUS devices the Slave Address must be stated correctly in the project tree of SMART VISION. The communication tag and the description are automatically updated when saving the data to the device.

More DTM's (DMA) for transmitter series 2600T

ABB DTM HI2600-HART/PA
2600T Series Pressure Transmitters 262/264 HART/PA

ABB DTM SA2600-HART
2600T Series Pressure Transmitters 266/268 HART

ABB DTM TO2600-HART
2600T Series Pressure Transmitters 263/265 HART
2000T Series Pressure Transmitters 2010TD, 2020TG, 2020TA, 2010TA (2010TC up to software revision 21)

ABB DTM MV2600-HART/PA
2600T Series Pressure Transmitters 267/269 HART/PA
2000T Series Pressure Transmitters 2010TC HART/PA
valid from software revision 22/0.22

ABB DMA MV2600-H1
2600T Series Pressure Transmitters 267/269 H1
(Foundation Fieldbus)

ABB DTM ST2600-HART
2600T Series Pressure Transmitters 261 HART

ABB DTM 364-HART
2600T Series Pressure Transmitters 364 HART

2.8 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"

2.9 Licensing the DTM

See DTM400 Bundle Supplement Info*)

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