Supplementary Information
3KDE150011R3901 Rev. D

Driver 2600T(267xx/269xx)-HART
Pressure and Flow Transmitter

Content

1   Device - Revision Record / What is new?

1.1   Hardware

Released Revision	Released Date	Remarks
1.0	29.05.2000	First release

1.2   Software

Released Revision	Released Date	Remarks
16	23.05.2000	First release
21	03.05.2001	Correction of curve cylindric lying tank and spherical tank
24	23.01.2003	Supplement primary elements and material, new HART ID
25	05.04.2005	Bugfixing
26	12.04.2007	No alarm current with overload
27	10.11.2008	Changed saving message

2   DTM - Device Type Manager

2.1   Supported devices

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

2.2   DTM Version record / What is new?

– Compatible to FDT 1.2 frame applications

– Offline configuration for transmitter 267C./269C.
  for pressure and temperature correction flow measurement

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	07.10.2005	Resources requirements reduction
01.02.04	09.10.2007	Correction of minor errors
01.02.05	28.11.2007	Correction of minor errors

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 latest version
  full administrator rights

The ABB FDT 1.2 DTM MV2600-HART, is released for Windows 2000 and Windows XP (Home / Professional) as PC / Notebook installation.

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.

2.3.3   Software package contents

The setup files are in the respective DTM sub directory.

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
  DTM\DTM MV2600-HART (267,269,2010TC)
  directory of the CD or in the folder you choosed for the software uploaded from the Internet.
– Follow the instructions.

2.4.2   Installed files

The files are in the DTM subdirectory.

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

Uninstall 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

– An automatic loading of preconfigured data to the transmitter from Symphony/Freelance is not possible during planning phase as only with active DTM and online connection to the transmitter a complete plausibilisation of the device version is possible. For configuration and loading of data the DTM therefore has to be started during startup phase and an online connection has to be established.
– On communication error the send retry count or the preamble count can be increased in the CServer.

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 (e.g. SMART VISION, AC800F, MC60, CMC70) 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 initialization   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". A connection to a device will be disconnected with the first start of the DTM and the device must be reconnected. After a "Connection set-up" first all the data of the device are loaded completely. Changed data are displayed in blue and underligned. Using the command "Save data to device" these data will be 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 2600T transmitter.

– After saving the data in the transmitter they are automatically saved in a non-volatile manner. To do so, the power supply of the transmitter has to be maintained for 2 minutes. If this is not observed, the previous data will become active again for the next operation.
– In case of 2000T Software Versions < 20 saving is only effected after cutting the connection.
– Via the menu point "Device/Immediate non-volatile saving" the permanent saving of the data is activated directly.

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/PA
  2600T Series Pressure Transmitters 263/265 HART/PA
  2000T Series Pressure Transmitters 2010TD, 2020TG, 2020TA, 2010TA   (2010TC up to software revision 21/0.21)

ABB DTM MV2600-PA
  2600T Series Pressure Transmitters 267/269 PA
  2000T Series Pressure Transmitters 2010TC
        valid from software revision 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
- As download from http://www.abb.com/Fieldbus
    ->[select Fieldbus protocol]
      ->[select field device]
        ->[select device group / name]
      use link read more / downloads
        -> go to flag "Fieldbus & HART Files"
- The Aspect Object (*.afw) online file contains all driver and informa-
  tion. For the *.afw file
        -> go to flag "Downloads"

2.9   Licensing the DTM
The DTM is usable unlimited without any license in every Frame
Application.

ABB has Sales & Customer Support
expertise in over 100 countries worldwide.

www.abb.com/instrumentation

The Company's policy is one of continuous product improvement and the right is reserved to modify the information contained herein without notice.

Printed in the Fed. Rep. of Germany (07.2009)

© ABB 2009

ABB

ABB Automation Products GmbH	**ABB Inc.**	**ABB Instrumentation spa**
Borsigstr. 2	125 E. County Line Road	Via Statale, 113
63755 Alzenau	Warminster, PA 18974	22016 Lenno (CO)
Germany	USA	Italy
Tel: +49 551 905-534	Tel: +1 215 674 6000	Tel: +39 0344 58111
Fax: +49 551 905-555	Fax: +1 215 674 7183	Fax: +39 0344 56278