

Content

1 Device - Revision Record - What is new? 1

1.1 Hardware..... 1

1.2 Software..... 1

1.3 Firmware..... 1

2 DTM - Device Type Manager 1

2.1 Supported devices..... 1

2.2 DTM bundle Version record - What is new? 1

2.3 Requirements..... 2

2.3.1 PC-Hardware, Operating system 2

2.3.2 Frame application / compatibility..... 2

2.3.3 Software package contents 2

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..... 3

2.7 Getting help / further information 3

2.8 How to get the latest info & software? 3

2.9 Licensing the DTM..... 3

1 Device - Revision Record - What is new?

1.1 Hardware

See the respective device driver Supplement-Info*)

1.2 Software

See the respective device driver Supplement-Info*)

1.3 Firmware

See the respective device driver Supplement-Info*)

2 DTM - Device Type Manager

2.1 Supported devices

“ABB DTM400” is the name of an ABB DTM Bundle for HART, PROFIBUS, FOUNDATION Fieldbus and MODBUS field devices. The following supplementary information refers to all DTMs / DMAs of this package.

The number and type of the DTMs in this package are shown chapter 2.3.3.

2.2 DTM bundle Version record - What is new?

*) The individual device driver Supplement Info & Software is available on the data medium or latest in www.abb.com/fieldbus:
→ latest information [*Field device protocol dependent*]
→ latest info (download) [*device type dependent*]
- Driver description
- Software [*driver type dependent*]

Released bundle Version	Released Date	Released DTM400 Library Version	Remarks
--	Dec. 2005	2.00.36 Patch 5	New hints in chapter 2.6
--	May 2008	2.00.36 Patch 10	- Bug fix - Updated device DTM's - New device DTM's
02.00.01	Jan 2009	2.00.36 Patch 10	First release of the DTM400 bundle setup
02.01.00	May 2009	2.00.36 Patch 10	Updated device DTM's - FSM4000-HART - Contrac-DPV1
02.01.01	Sep. 2009	2.00.36 Patch 11	New features - Import functionality Updated device DTM's - MV2600-PA - TO2600-PA
02.01.02	Oct. 2009	2.00.36 Patch 11	- Setup Bug fix
02.02.00	Nov. 2009	2.00.36 Patch 11	Deleted device DTM's (now part of the DTM500 Bundle) - HI2600 (264xx) HART - TTX300 HART - TZIDC HART
02.03.00	Jun. 2010	2.00.36 Patch 11	- Setup Bug fix - Updated device DTM's - SA2600-HART
02.04.00	Jun. 2011	2.00.36 Patch 11	Deleted device DTM's (now part of the DTM500 Bundle) - TTX200 HART
02.05.00	Aug. 2011	2.00.36 Patch 11	- Setup Bug fix - Updated device DTM's - DTM ST2600-HART (261)



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
- 1024 x 768 screen resolution
- Windows 2000 SP4 / XP SP2
- Internet Explorer 6.0
- Adobe Reader latest version
- Member of the "Administrators" group

The ABB DTMs of the DTM400 Bundle are released for Windows 2000 Professional and Windows XP Professional as PC / Notebook installation.

ABB recommends that a virus scanner is used on all PCs/Notebooks, where Asset Vision and/or DTMs are installed. McAfee VirusScan® Enterprise has been tested and qualified for this purpose.

2.3.2 Frame application / compatibility

See the respective device driver Supplement-Info*

2.3.3 Software package contents

DTM for HART devices:

- for electrical actuators
 - DTMCONTRAC-HART for CONTRAC family
- for flow transmitter
 - DTMFAM5400-HART for FAM5400(AM54)
 - DTMFCM2000-HART for FCM2000(CoriolisMaster)
 - DTMFMT500-HART for FMT500-IG(Sensyflow iG)
 - DTMFSM4000-HART for FSM4000
 - DTMFVS4000-HART for FV4000, FS4000(TRIO WIRL)
 - DTMFXE4000-HART for FXE4000(COPA-XE/MAG-XE)
- for pressure and level transmitters
 - DTM600T-HART for 600T(61xx, 62xx)
 - DTMST2600-HART for 2600T(261xx)
 - DTMTQ2600-HART for 2600T(265xx), 2010Tx, 2020Tx
 - DTMV2600-HART for 2600T(267xx, 269xx), MV2010TC
 - DTMSA2600-HART for 2600T(268xx)
 - DTM364-HART for 2600T(364xx)
- for temperature transmitters
 - DTMTHX02-HART for TH02, TH102, TH202

DTM for PROFIBUS devices:

- for electrical actuators
 - DTMCONTRAC-DPV1 for CONTRAC DP-V1 family
PNO-ID: 0x09EC
- for analyzers
 - DTMTB82EC-PA for TB82EC23xx
PNO-ID: 0x5102
 - DTMTB82TC-PA for TB82TC23xx
PNO-ID: 0x5104
 - DTMTB82TE-PA for TB82TE23xx
PNO-ID: 0x5103
 - DTMTB82PH-PA for TB82PH23xx
PNO-ID: 0x5101
- for flowmeters
 - DTMFCM2000-PA for FCM2000(CoriolisMaster)
PNO-ID: 0x0849
 - DTMFMT500-DP for FMT500-IG(Sensyflow iG)
PNO-ID: 0x05CA
 - DTMFSM4000-PA for FSM4000
PNO-ID: 0x078C
 - DTMFVS4000-PA for FV4000, FS4000(TRIO WIRL)
PNO-ID: 0x05DC
 - DTMFXE4000-PA for FXE4000(COPA-XE/MAG-XE)
PNO-ID: 0x0691

- for pressure and level transmitters
 - DTMHI2600-PA for 2600T(264xx)
PNO-ID: 0x052B
 - DTMTQ2600-PA for 2600T(265xx), 2010Tx, 2020Tx
PNO-ID: 0x04c2
 - DTMV2600-PA for 2600T(267xx, 269xx), MV2010TC
PNO-ID: 0x062D
- for positioners
 - DTM TZIDC-PA for TZIDC-110, TZIDC-210
PNO-ID: 0x0639
- for temperature transmitters
 - DTM TF12-PA for TF12, TF212
PNO-ID: 0x04c4

DTM for MODBUS devices:

- for pressure and level transmitters
 - DTMV2600-MODBUS^{1,2} for 2600T(267xx, 269xx), MV2010TC

DMA for FOUNDATION Fieldbus devices:

- for pressure and level transmitters
 - DMAV2600-H1^{1,2} for 2600T(267xx, 269xx), MV2010TC

¹⁾ Available only on the „DTM400 & DSV401 (SMART VISION)“ CD-ROM [Documentation-ID: 08/FB-01 XA].

²⁾ Available only in www.abb.com/fieldbus:

- latest information [*Field device protocol dependent*]
- latest info (download) [*device type dependent*]
- Software [*driver type*]

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 data medium or unpack the DTM zip file available as download from www.abb.com/Instrumentation.
- Start the installation Wizard as follows:
Data medium <drive>:\Setup.exe
or
DTM zip file \Revxx.yy.zz_yyyy.mm\Setup.exe
- Follow the instructions.

2.4.2 Uninstall instructions

- For individual DTM un-installation see the respective device driver Supplement-Info*)
- For Bundle un-installing start in the operating system:
Start -> Settings -> Control Panel -> Software -> Install/Uninstall
- 1. First un-install ALL DTMs/DMA's.
(but **NOT** "DTM Library Patch", "ABB DTM LIBRARY", "ABB DTM500" and "ABB DTM Contrac-LCl...")
That are the DTMs starting with:
600T, ABB Engineer IT DTM*, Engineer IT DTM*, ABB Engineer IT DMA*, ABB DTM* and DTM*.
- 2. Finally un-install first "DTM Library Patch" and then "ABB DTM LIBRARY".
- 3. Reboot your computer!

2.5 Update- / Upgrade instructions

See the respective device driver Supplement-Info*)

2.6 Known problems and limitations

In addition to the specific hints in the respective field device 3K*R3901_Supplement-Info-Driver*.pdf the general hints are attached.

Valid for FDT frame applications only:

- TAG cannot be set via a DTM.
In DSV401 Rx (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 Rx (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 Rx (SMART VISION) this limit does not apply.
- The individual ABB DTM400 Bundle DTMs must be closed before the FDT frame application.
In DSV401 Rx (SMART VISION) this limit does not apply.
- The individual ABB DTM400 Bundle DTMs must be closed before the ABB DTM400 DTM could be disconnected (Offline) in the project tree of the FDT frame application.
In DSV401 Rx (SMART VISION) this limit does not apply.
- It is only possible to use „Save as...“ and „Open“ (parameter data Export / Import) in the individual ABB DTM400 Bundle DTMs via an FDT frame application.
Workaround:
 1. Start "Export" of Parameter data
 - + Open DTM400 DTM via the Frame Tool
 - + Change Parameter inside the DTM400 DTM
by upload from the device or manual input
 - + 1. Click "Save" in the Menu / Icon bar of the DTM400 DTMs
 - 2. Click "Save" afterwards also in the Menu / Icon bar of the Frame Tool.
 - + Click on the DTM400 DTM node in the Frame Tool project tree.
Right mouse click ->Additional functions ->Export
Stored the parameter data on your medium.

2. Start "Import" of Parameter data
 - + Open DTM400 DTM via the Frame Tool
 - + Click on the DTM400 DTM node in the Frame Tool project tree.
Right mouse click ->Additional functions ->Import
! No other way starts the "Import" functionality !
 - + Download of the imported Parameter into a device
is now possible
 - + If you want to store the imported Parameter afterwards
also in the Instance Data (Project) go ahead as following:
 - Click "Save" also in the Menu / Icon bar of the Frame Tool.

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

- PROFIBUS devices with address 126 are not possible to configure with the driver of the DTM400 Bundle.

Workaround:

- + Change the PROFIBUS address to a not in use address < 126.
- + Start the device configuration again.

- Individual DTMs available with the ABB DTM400 bundle might not fully support the ABB Asset Vision Basic (DAT200) Point-to-Point Wizard. Error messages might come up (e.g. "Failed to open ActiveX Control of ...") or the DTM's Parameter window is not opened at the end of the wizard execution.
Please preferably use the ABB Asset Vision Basic (DAT200) Expert Mode with DTM400 DTMs.

2.7 Getting help / further information

See the respective device driver Supplement-Info*)

2.8 How to get the latest info & software?

- The latest DTM400 Bundle Supplement Info is available on www.abb.com/fieldbus:
Enter here in the search field following No. "3KXD801400R3901".

The latest DTM400 Bundle software is available on

www.abb.com/fieldbus:

Enter here in the search field following No. "3KXD800400S0030".

- For the single device driver see the respective Supplement Info & Software*)

2.9 Licensing the DTM

- The ABB DTM400 Bundle is usable without any license in any frame application.
- After the installation the ABB DTM400 Bundle runs 90-days in demo mode (full functionality) and needs to be purchased within this period, when the storage of data being requested.
- By purchasing the DSV401 (SMART VISION) single PC license the ABB DTM400 Bundle is also operable without restriction and does not have to be ordered separately!

ABB provides expert and comprehensive consulting services in more than 100 countries worldwide.

ABB is continually improving its products. As a result, technical information in this document is subject to change.

<http://www.abb.com/instrumentation>

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Germany

ABB Automation Products GmbH
Borsigstr. 2
63755 Alzenau

Tel: +49 (0)551 905-534
Fax: +49 (0)551 905-555

vertrieb.instrumentation@de.abb.com

USA

ABB Inc.
125 E. County Line Road
Warminster, PA
18974-4995

Tel: +1 (0)215 674 6000
Fax: +1 (0)215 674 7183

instrumentation@us.abb.com

Italy

ABB S.p.A.
Via Statale 113
22016 Lenno (CO)

Tel: +39 0344 58111
Fax: +39 0344 56278

abb.instrumentation@it.abb.com

UK

ABB Limited
Oldends Lane
Stonehouse
Gloucestershire GL10 3TA

Tel: +44 (0)1453 826 661
Fax: +44 (0)1453 829 671

instrumentation@gb.abb.com

P.R. China

ABB Engineering (Shanghai) Ltd.
32 Industrial Area
Kangqiao Town, Nanhui District
Shanghai, 201319

Tel: +86 (0) 21 6105 6666
Fax: +86 (0) 21 6105 6677

china.instrumentation@cn.abb.com