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*) 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*]

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?

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	- Bugfix - 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

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 6.0
- Adobe Reader latest version
- Member of the "Administrators" group

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

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)
 - DTMFMS4000-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)
 - DTMHI2600-HART for 2600T(264xx)
 - DTMTO2600-HART for 2600T(265xx), 2010Tx, 2020Tx
 - DTM MV2600-HART for 2600T(267xx, 269xx), MV2010TC
 - DTM SA2600-HART for 2600T(268xx)
 - DTM364-HART for 2600T(364xx)

- for positioners
 - DTM TZIDC-HART for TZIDC, TZIDC-200

- for temperature transmitters
 - DTM THX02-HART for TH02, TH102, TH202
 - DTM TTX300-HART for TTH300, TTF300, TTR300, TTF350
 - DTM TTX200-HART for TTH200, TTR200

DTM for PROFIBUS devices:

- for electrical actuators
 - DTMCONTRAC-DPV1 for CONTRAC DP-V1 family
PNO-ID: 0x09EC

- for analyzers
 - DTM TB82EC-PA for TB82EC23xx PNO-ID: 0x5102
 - DTM TB82TC-PA for TB82TC23xx PNO-ID: 0x5104
 - DTM TB82TE-PA for TB82TE23xx PNO-ID: 0x5103
 - DTM TB82PH-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
 - DTMFMS4000-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
 - DTM HI2600-PA for 2600T(264xx) PNO-ID: 0x052B
 - DTM TO2600-PA for 2600T(265xx), 2010Tx, 2020Tx
PNO-ID: 0x04c2
 - DTM MV2600-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 TFX12-PA for TF12, TF212 PNO-ID: 0x04c4

DTM for MODBUS devices:

- for pressure and level transmitters
 - DTM MV2600-MODBUS^{1,2} for 2600T(267xx, 269xx), MV2010TC

DMA for FOUNDATION Fieldbus devices:

- for pressure and level transmitters
 - DMA MV2600-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

See the respective device driver Supplement-Info*

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.
- It is not possible to use „Save as...“ and „Open“ (parameter data Export / Import) in the individual ABB DTM400 Bundle DTMs opened via an FDT frame application.
It is only possible to use „Save as ...“ (Export) of the ABB DTM400 Bundle DTM parameter data via an FDT frame application.
E.g. for DAT200: Click on the DTM400 DTM node in the project tree → Pull-down menu via right mouse click → Additional functions → Export
In DSV401 Rx (SMART VISION) this limit does not apply.

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 on a PC / Notebook 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.

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

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

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