

3KXT200001R3901 Rev. U

Temperature Transmitter

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*) DTM500 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. "3KXD801500R3901".

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
01.07	Dec. 2012	Reduced C _i
02.00	Feb 2021	First release - New electronics platform with enhanced NAMUR functionality

1.2 Software

Released Revision	Released Date	Remarks
01.00.xx	May 2006	First release
01.01.xx	April 2007	Safety, redundancy, dirt monitoring
01.01.08	July 2011	Sensor Diagnostic Improvement Operation Hours Counter Bugfix
01.03.00	Dec. 2015	Activate dip switch for HART7 or HART5
03.00.00	Feb 2021	Compatible with hardware 02.xx
03.00.01	May 2021	Bug Fix – HMI easy setup menu
03.01.00	Jan 2022	New device type code, Availability of SIL

1.3 Device

Released Revision	Released Date	Remarks
01	May 2006	Software version 01.00.xx
02	April 2007	Software version 01.01.xx
03	Feb 2021	Software version 03.00.xx, HART 5
04	Feb 2021	Software version 03.00.xx HART 7
05	Jan 2022	Software version 03.01.xx, HART 5
06	Jan 2022	Software version 03.01.xx HART 7



2 DTM (Device Type Manager)

2.1 Supported devices

- Temperature transmitter TTH300-HART / TTF300-HART / TTF350-HART with HW-Version 01.05, SW-Version 01.01.xx and Device Version 02 or higher.
- TTH300 Head-mounted transmitter
- TTF300 Field device
- TTF350 Field device

2.2 DTM (driver) Version record - What is new?

Released Driver Version	Released Date	Released bundle / Library Version	Remarks
01.00.00	July 2006	≥ 2.00.3x P5	First release Supports FDT1.2 Part of the DTM400 bundle
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
05.00.07	Nov. 2009	≥ 05.00.02 / ≥ 05.00.13	Supports also FDT1.2.1 New GUI Part of the DTM500 bundle
05.00.09	Oct. 2010	≥ 05.02.00 / ≥ 05.00.16	- DTM500 Library enhancements - Driver bug fix
05.00.10	May 2011	≥ 05.03.00 / ≥ 05.00.17	- DTM500 Library enhancements Improvements and Bugfix
05.00.11	Aug 2012	≥ 05.04.00 / ≥ 05.00.18	- DTM500 Library enhancements Improvements and Bugfix
05.00.12	July 2013	≥ 05.04.00 / ≥ 05.00.20	- New 800xA HART Read Only Option
05.00.13	May 2014	≥ 05.05.00 / ≥ 05.00.21	- New DTM library for Compatibility with Win 8.1 and Win 2012 and 64 bits Operating systems - Bugfixes
05.00.14	May 2015	≥ 05.05.00 / ≥ 05.00.21	- Bugfixes HART5 without HART7 commands
05.00.15	Jan. 2017	≥ 05.05.00 / ≥ 05.00.22	- Bugfixes - Additional support of 2 variants (HART5 or HART7) - New DTM library for "Observer role" in DCS
07.04.01	Dec 2020	DTM 700	- HART 7 Compatible with hardware 02.xx, Device revision 04
07.06.01	Sept 2022	DTM 700	- Device revision 06 - Device Type code update 4B

- The device DTM supports the standard FDT 1.2.

2.3 Requirements

2.3.1 PC-Hardware, Operating system

- DTM500
- See DTM500 bundle Supplement Info*)

DTM700

- Minimum requirement
- 2-GHz-Processor or better with 32 Bit (x86) or 64 Bit (x64)
- 1 GB RAM or better
- 500 MB free hard disk space
- 1024 x 768 screen resolution recommended
- Microsoft Windows 7 Service Pack 1, Windows 8.1 & Windows 10 (32 Bit / 64 Bit variants supported)
- Microsoft .NET Framework 4.6.1
- Microsoft Visual C++ 2015 Redistributables - 14.0.23026
- Microsoft Internet Explorer 6.0 or higher
- Adobe Reader latest version

2.3.2 Frame application / compatibility

- DTM500
See DTM500 bundle Supplement Info*)

DTM700

- The ABB DTM should be usable in all frame applications according to the requirements of FDT 1.2
- Refer the corresponding frame application documentation and Manuals.

2.4 Installation and configuration

2.4.1 Installation

- DTM500
See DTM500 Bundle Supplement Info*)

DTM700

- Ensure that the minimum hardware requirements are met.
- Start Windows (login with administrator rights!).
- Cancel all active applications.
- Unpack the DTM zip file available as download from www.abb.com/Instrumentation
- Start the installation Wizard as follows:
 - Right hand MouseClick with "run as Administrator"
 - <drive>:\3KXT200000S0202_DTM_TTx300-HART.zip\3KXT200000S0202_DTM_TTx300-HART\MID-001A_DID-1A0B\Revision_07.04.01\DTMTTx300HART.exe
- Follow the instructions.

2.4.2 Uninstall instructions

- DTM500
See DTM500 Bundle Supplement Info*)

DTM700

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

2.5 Update- / Upgrade instructions

- DTM500
See DTM500 Bundle Supplement Info*)

DTM700

- Uninstallation is not required before update / upgrade. It can be handled like a new installation existing projects will be retained. Only in case of upgrade from DTM500 to DTM700, uninstallation of DTM500 to be followed as specified in DTM500 Bundle supplement-

tary In-formation document before proceeding with DTM700 installation.

– Hints regarding new versions may be found under www.abb.com/Fieldbus

2.6 Known problems and limitations

DTM500

Additionally to the common hints in the DTM500 Bundle Supplement Info*) attached the device driver specific hints.

- None known

DTM700

Offline Menu configuration issue in DTM V 07.04.01: ImportExport UIP to be used in DTM

-ImportExport UIP issue in 800xA system

Both DTM version 05.00.22 and 07.04.01 should be installed to ensure compatibility.

- Device revision 4 is incompatible with the DTM for device revision 2
- Device revision 6 is incompatible with the DTM for older device revisions

2.7 Getting help / further information

Press 'F1' for DTM online help.

- Help concerning the integration of the DTM in the FDT frame application can be found in the respective documentation of the frame application.

2.8 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/fieldbus:

→ latest information [*field device protocol dependent*]

→ latest info (download) [*device type dependent*]

- Driver description
- Software [*driver type dependent*]

2.9 Licensing the DTM

DTM500

See DTM500 Bundle Supplement Info*)

DTM700

none

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

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 HART5
02 03	Nov 2007	Registered on HCF website (general) HART5
02 04*	Jan 2008 (PDM)	Host specific optimizations PDM
02 04	Feb 2014	(general) Bug Fix for O/P Current simulation HART5
02 05*	Nov 2014	(general) Bug Fix for Sensor calibration PDM
02 08	Dec. 2017	HART5
02 21 02 15 hex	Dec. 2017	HART7
03 01	Sep 2020	HART 5 Compatible with HW02.XX, Device 03
04 01	Jul 2020	HART 7 Compatible with HW02.XX, Device 04
05 01	Jan 2022	New device type code - HART 5 Device 05
06 01	Jan 2022	New device type code - HART 7 Device 06

3.3 Requirements

3.3.1 Interpreter / compatibility

The EDD is released for PDM ≥ 8.1 SP2 and SDC625.

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

- EDD versions 02.21, 02.08, 03.01 and 04.01 should be installed to ensure compatibility with HW:01.XX and HW:02.XX, software versions 01.03.XX and 03.00.XX
- Device revision 4 is incompatible with the EDD for device revision 2
- Device revision 3 is incompatible with the EDD for device revision 1

3.6 Getting help / further information

Help concerning the integration of the driver in the frame application can be found in the respective documentation of the frame application.

3.7 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/fieldbus:

4 FDI Package (EDD based)

4.1 Supported devices

4.2 FDI ABB.Package Version record - What is new?

Released Date	Package Version	EDD Released Version (Dev. Rev.)	Attachment (revision)	UIP Released Version (00.00.00)	UIP Changed UIP file count	Remarks (EDD, Attachment, UIP)
March 2016	01.00.00	02 06	TTX300_256x256.png, OI_TTF300_EN_F.pdf, OI_TTH300_EN_D.pdf	none	no	First release HART5
Nov. 2017	01.01.00	02 07	TTX300_256x256.png, OI_TTF300_EN_F.pdf, OI_TTH300_EN_D.pdf	none	no	HART5
Nov. 2017	01.21.00	02 22 02 16 hex	TTX300_256x256.png, OI_TTF300_EN_F.pdf, OI_TTH300_EN_D.pdf	none	no	HART7
Sep 2020	03.01.00	03 01	OI_TTH300_EN_F.pdf Img_TTF300_content.png DS_TTH300_EN_F.pdf COM_TTX300_HART_EN_C.pdf	none	no	HART 5
Jul 2020	04.01.00	04 01	1A0B04_fdi.pdf Img_TTF300_content.png DS_TTH300_EN_F.pdf OI_TTH300_EN_F.pdf	none	no	HART 7
Jan 2022	05.01.00	05 01	OI_TTH300_EN_F.pdf Img_TTF300_content.png DS_TTH300_EN_F.pdf COM_TTX300_HART_EN_C.pdf	none	no	HART 5
Jan 2022	06.01.00	06 01	Img_TTF300_content.png DS_TTH300_EN_F.pdf OI_TTH300_EN_F.pdf	none	no	HART 7
May 2022	02.09.00	02 09	TTX300_256x256.png, OI_TTF300_EN_F.pdf, OI_TTH300_EN_D.pdf	none	no	HART5

4.3 Supported Languages

The device Package supports English, German.

4.4 Requirements

FDI Technology Version 1.x.x

4.5 Import / remove and configuration

Start your EDD Host application and follow the instructions.

4.6 Update- / Upgrade instructions

No

4.7 Known problems and limitations

- FDI device packages version 01.21, 03.01 and 04.01 should be installed to ensure compatibility with HW-Rev. 01.XX and HW-Rev. 02.XX, software 01.03.XX and 03.00.XX
- Device revision 4 is incompatible with the FDI device package for device revision 2
- Device revision 3 is incompatible with the FDI device package for device revision 1

4.8 Getting help / further information

Help concerning the integration of the Package in the FDI frame application can be found in the respective documentation of the FDI tool. Use mouseover for field hints and tooltips.

4.9 How to get the latest information & software?

Please check on FieldComm Group webpage www.fieldcommgroup.org

4.10 Licensing

The "*General terms of license for computer software utilization*" are valid, which can be found by searching on abb.com

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