ABB

SUPPLEMENTARY INFORMATION | 3KXT200201R3901 REV. M

Driver TTX200-HART
Temperature Transmitter

Contents

*) DTM500 Bundle Supplement Info is available on the data medium \documentation or latest on www.abb.com/fieldbus.
Enter here in the search field following No. "3KXD801500R3901".

1 Device - Revision Record - What is new?

1.1 Hardware

1.1.1 TTH200-HART

Released Revision	Released Date	Remarks
01.06	Jan 2009	First release
01.07	Dec 2012	Reduced C
01.12	July 2013	Same function, Hardware components updated
01.13	Sep. 2016	Same function, Hardware components updated
01.15	Nov. 2017	Same function, Hardware components update
02.00	Feb. 2021	First release - new electronics platform with enhanced NAMUR functionality

1.1.2 TTR200 - HART

Released Revision	Released Date	Remarks
01.01	May 2008	First release
01.07	Dec 2012	Reduced C
01.12	July 2013	Same function, Hardware components updated
01.13	Sep. 2016	Same function, Hardware components updated
01.15	Nov. 2017	Same function, Hardware components updated

1.1.3 TTF200 – HART

Released Revision	Released Date	Remarks
01.15	Nov. 2017	Same function, Hardware components updated

1.2   Software

Released Revision	Released Date	Remarks
01.00.01	May 2008	First release TTR200
01.00.02	Jan 2009	First release TTH200
01.00.06	Jan 2010	TTH200 & TTR200: SIL2 & TC Type E enhancement: -270°C
01.00.07	July 2011	Sensor Diagnostic Improvement Operation Hours Counter Bugfix
02.01.00	July 2013	Hardware Revision - TTH200 - HART >= 01.12 - TTR200 - HART >= 01.12 - TTF200 - HART >= 1.15
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
02	January 2009	First release
03	Feb 2021	HART 5
04	May 2021	HART 7
05	Jan 2022	Software version 03.01.xx, HART 5
06	Jan 2022	Software version 03.01.xx, HART 7

1.4   Cyber Security info

1.4.1   ABB recommendation

It is recommended to use at least an anti-malware solution wherever the product is deployed.

1.4.2 Disclaimer

This product is designed to be connected to and to communicate information and data via a network interface. It is user's sole responsibility to provide and continuously ensure a secure connection between the product and user's network or any other network (as the case may be). User shall establish and maintain any appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of anti-virus programs, etc) to protect the product, the network, its system and the interface against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ABB Ltd and its affiliates are not liable for damages and/or losses related to such security breaches, any unauthorized access, interference, intrusion, leakage and/or theft of data or information.

2 DTM (Device Type Manager)

2.1 Supported Devices

- Temperature transmitter DIN Rail mounted TTR200-HART with HW-Version 01.01 and SW-Version 01.00.01 or higher

- Temperature transmitter Head mounted TTH200-HART with HW-Version 01.01 and SW-Version 01.00.01 or higher

- Temperature transmitter Head mounted TTF200-HART with HW-Version 01.01 and SW-Version 01.00.01 or higher

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

Released Version	Released Date	DTM LIBRARY Version	Remarks DTM
01.00.00	May 2008	≥ 2.00.3x P5	First release DTM400
05.00.00	May 2011	> 05.03.00 / > 05.00.17	First release DTM500 Version 05.xx.xx
05.00.01	Aug 2012	> 05.04.00 / > 05.00.18	- DTM500 - Improvements and Bugfix
05.00.02	Nov. 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
05.00.03	Nov. 2016	≥ 05.05.00 / ≥ 05.00.22	- New DTM library for "Observer role" in DCS

07.04.01	Dec 2020	DTM 700	- Enhancements for TTX 200 device (HART 7)
07.06.01	Feb 2023	DTM 700	- New Device type id 1A4D

- 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 vari-ants sup-ported)

- Microsoft .NET Framework 4.6.1

- Microsoft Visual C++ 2015 Redistributable - 14.0.23026

- Microsoft Internet Explorer 6.0 or higher

- Adobe Reader latest version

2.3.2 Frame application / compatibility

DTM 500

- See DTM500 Bundle Supplement Info*)

DTM700

- The ABB DTM should be usable in all frame applications according to the require-ments of FDT 1.2.

- Refer the corresponding frame application documentation and Manuals

2.4   (Un)Installation and configuration

2.4.1   Installation

DTM 500

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 Mouse Click with "run as Administrator"

- Version 07.04.01(Device type 1A0D):
<drive>:\..\\3KXT200200S0202_DTM_TTx200-HART\MID-001A_DID-1A0D\Revision_07.04.01\DTMTTx200HART.exe

- Version 07.06.01(Device type 1A4D):
<drive>:\..\3KXT200200S0202_DTM_TTx200-HART\MID-001A_DID-1A4D\Revision_07.06.01\DTMTTx200FamilyHART.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 project will be retained. Only in case of upgrade from DTM500 to DTM700, uninstallation of DTM500 to be followed as specified in DTM500 Bundle supplementary In-formation document before proceeding with DTM700 in-stallation.

– 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.

DTM700

-TTX200 v 07.04.01: Offline Menu configuration issue- Work Around: ImportExport UIP to be used in DTM

-Import Export UIP issue in 800xA system

- Both DTM version 05.00.03 and 07.04.01 should be installed to ensure compatibility.

- Device revision 4 is incompatible with the DTM for device revision2

-TTx200 Family HART v.07.06.01: 1. Bug: Offline Menu configuration issue. WorkAround:ImportExport UIP to be used in DTM. 2) Issue: DTM connection states are not updated – Communication DTM shall provide updated communication states on disturbed, aborted, standby, connected, disconnected 3) DTM is not tested with Sym-phony Harmony due to FDT issue – working with Harmony team to resolve 4) Multiple DTMs going online is not possible in 800xA - DCS specific issue 5) Freelance: DTM will resize when goes to online Freelance system

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

2.9   Licensing the DTM

DTM500: See DTM500 Bundle Supplement Info*)

DTM700: none

3 EDD (Electronic Device Description)

3.1 Supported devices

Temperature transmitter TTX200 series

3.2 EDD Version record - What is new?

Released Version	Released Date	Remarks
02 02	April 2009	General EDD first Release HART5
02 04*	July 2017	*Inside FDI-Package HART5
03 01	Sep 2020	Enhancement for device HART 5
04 01	Aug 2020	Enhancement for device HART 7
05 01	March 2022	New device type code - HART 5 Device 05
06 01	March 2022	New device type code - HART 7 Device 06

3.3 Requirements

3.3.1 Frame application / compatibility

The EDD is released for PDM 6.0 SP2 and SDC625.

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

EDD versions 02.04, 03.01 and 04.01 should be installed to ensure compatibility with HW:01.XX and HW:02.XX, software 01.03.XX.

02.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 2

3.6 Getting help / further information
3.7 How to get the Software (driver)?

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]

4   FDI (Field Device Integration)

FDI Package (EDD based)

4.1   FDI Device Package Version record- What is new?

Released Date	Package Version	EDD Released Version (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00), Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
Nov. 2017	01.00.00	02 04	TTX300_256x256.png, OI_TTH200_EN_A01.pdf	None	No	First Release
Sep 2020	03.01.00	03 01	OI_TTH200_EN_C.pdf DS_TTH200_EN_D.pdf	None	No	HART 5
Aug 2020	04.01.00	04 01	None	None	No	HART 7
Mar 2022	05.01.00	05 01	OI_TTH200_EN_D.pdf CI_TTH200_EN_D.pdf DS_TTH200_EN_D.pdf	None	No	HART 5
Mar 2022	06.01.00	06 01	OI_TTH200_EN_D.pdf CI_TTH200_EN_D.pdf DS_TTH200_EN_D.pdf	None	No	HART 7

4.2   Supported Languages

The device Package supports English, German

4.3   Requirements

FDI Technology Version 1.2.0

4.4   Remove / import and configuration

Start your FDI Host application and follow the instructions.

4.5   Update / Upgrade instructions

No

4.6   Known problems and limitations

- FDI packages version 01.21, 03.01 and 04.01 should be installed to ensure compatibility with HW:01.XX and HW:02.XX, software 01.03.XX, 02.00.XX and 03.00.XX

- Device revision 4 is incompatible with the FDI package for device revision 2

- Device revision 3 is incompatible with the FDI package for device revision 1

4.7   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.

4.8   How to get the latest information & software?

Please check on FieldComm Group webpage www.fieldcommgroup.org

4.9   Licensing

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

Contacts

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ABB Measurement & Analytics
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visit: **abb.com/contacts**
For more product information,
visit: **www.abb.com/measurement**