

Driver TZIDC-200 HART

Digital Positioner

Contents

1. Device - Revision Record - What is new?	2
1.1. Hardware	2
1.2. Software.....	2
1.3. Device	2
1.4. Cyber Security info	3
2. DTM (Device Type Manager)	3
2.1. Supported Devices	3
2.2. Hash Code	3
2.3. DTM (driver) Version record - What is new?.....	3
2.4. Supported Languages	4
2.5. Requirements.....	4
2.6. Installation and configuration	5
2.7. Update/Upgrade instructions.....	6
2.8. Known problems and limitations	6
2.9. Getting help/ further information	6
2.10. How to get the latest information & software?.....	6
2.11. Licensing the DTM	6
3. EDD (Electronic Device Description)	6
3.1. Supported devices.....	6
3.2. Hash Code	6
3.3. EDD Version record - What is new?.....	6
3.3.1 Device Type ID: 1641	6
3.4. Supported Languages	7
3.5. Requirements.....	8
3.6. (Un)Installation and configuration	8
3.7. Known problems and limitations	8
3.8. Getting help / further information	8
3.9. How to get the Software (driver)?	8
4. FDI (Field Device Integration)	8
4.1. FDI Device Package Version record- What is new?.....	8
4.2. Supported Languages	9
4.3. Requirements.....	9
4.4. Remove / import and configuration	9
4.5. Update / Upgrade instructions.....	9
4.6. Known problems and limitations	9
4.7. Getting help / further information	9
4.8. How to get the latest information & software?.....	9
4.9. Licensing.....	10

Contacts..... 11

1. Device - Revision Record - What is new?

1.1. Hardware

Released Revision	Released Date	Remarks
B	2003	First release
01.01	May 2001	Enhancement
02.00	Jan. 2004	Enhancement
03.00	Dec. 2011	Enhancement HART 5
05.00	Oct. 2015	Enhancement HART 5/7
05.01	May 2023	Enhancement

1.2. Software

Released Revision	Released Date	Remarks
01.00	1997	First release
01.10	May 2001	Bugfix and enhancement
02.00	Jan. 2004	Bugfix and enhancement
03.00	Dec. 2011	Bugfix and enhancement HART5
05.01	Oct 2015	Bugfix and enhancement HART 5/7
05.02	May 2016	Bugfix and enhancement HART 5/7
05.03	May 2023	BugFix and enhancement

1.3. Device

Released Revision	Released Date	Remarks
01	May 2000	First release HART 5
02	Sept. 2016	First release 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

Digital Positioner TZIDC and TZIDC-200 from device Software revision 1.0.

2.2. Hash Code

Hash code of 3KXE341000S0202_DTM_TZIDC(-200)-HART.zip

7BB4E367FD635F225E43BAE1ACC701F1B6CD9A9514F5FCB4848F50AD2E4EF560

2.3. DTM (driver) Version record - What is new?

Released Version	Released Date	DTM LIBRARY Version	Remarks DTM
01.00.08	Jan. 2003	--	First release. Part of the DTM400 bundle
01.01.01	Feb. 2004	≥ 2.00.3x	Supports FDT 1.2 Enhancements diagnostics presentation
01.01.03	Mar. 2007	≥ 2.00.3x P5	Corrections

05.00.09	Nov. 2009	<u>≥ 05.00.04 /</u> <u>≥ 05.00.13</u>	Supports FDT 1.2.1 New GUI Part of DTM500 bundle
05.01.00	Apr. 2011	≥ 05.03.00 / ≥ 05.00.17	DTM 500 Library Enhancements
05.01.01	Dec. 2011	<u>≥ 05.04.00 /</u> <u>≥ 05.00.17</u>	DTM 500 Library Enhancements
05.01.02	Sep. 2012	<u>≥ 05.04.00 /</u> <u>≥ 05.00.18</u>	DTM 500 Library Enhancements
05.01.03	May 2014	≥ 05.04.00 / ≥ 05.00.21	DTM 500 Library Enhancements. Bug fixed German language Win 8.1, Win 2012 server RS and Win 7 64 Bit
05.01.04	July 2017	≥ 05.05.00 / ≥ 05.00.22	New DTM Library for “Observer role” in DCS
07.02.01	July 2025	DTM 700, Initial	Sensor release with TMR

- The device DTM supports the standard FDT 1.2/1.2.1.

2.4. Supported Languages

The device DTM supports English

2.5. Requirements

2.5.1. PC – Hardware, Operating system.

DTM 500

See DTM500 bundle Supplement Info*)

DTM 700

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), Windows 11 (64 Bit)

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

2.5.2. Frame application/compatibility

DTM 500

See DTM500 Bundle Supplement Info*)

DTM 700

- 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

2.6. Installation and configuration

2.6.1. Installation

DTM 500

See DTM500 Bundle Supplement Info*)

DTM 700

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"

```
<drive>:\..\3KXE341000S0002_DTM_TZIDC-200-HART.zip \
3KXE341000S0002_DTM_TZIDC(-200)-HART\MID-001A_DID-1641\ Rev07.02.01\DTM
TZIDC HART.exe
```

Follow the instructions

2.6.2. Uninstall instructions

See DTM500 Bundle Supplement Info*)

2.7. Update/Upgrade instructions

See DTM500 Bundle Supplement Info*)

2.8. Known problems and limitations

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

None known

2.9. 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 application.

2.10. How to get the latest information & software?

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

2.11. Licensing the DTM

See DTM500 Bundle Supplement Info*)

3. EDD (Electronic Device Description)

3.1. Supported devices

TZIDC

TZIDC-200

3.2. Hash Code

NA

3.3. EDD Version record - What is new?

3.3.1 Device Type ID: 1641

Released Version	Released Date	Remarks	Hash code of .fm8
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01 01	March 2001	First release HART 5 PDM only	Hashcode for 3KDE543400S0003_EDD_TZIDC-200-HART.zip: 3734956B15808118591B7E44ACD7D818D 3598A64E51F048820AC33DDC4A6398E
01 01	Feb. 2014	General HART 5	Hashcode for 0101.fm8 127D43EBA958CE71F9F4F296A814FD43D 7485C7070070800C1E98B8E9EBC1E50
02 01	June 2018	Of FDI reg. HART 7	Hashcode for 0201.fm8 78AF45FD580127A6FBB96B16BF90A0DF9 F54134ED9BF0B42ADE4835256AD6FEA
02 02	Dec 2024	New enhancements for HART 7 rev	Hashcode for 0200.fm8 70D68646B5A382495B1EA0D51F24E4DFA 52516757840A992DC18456FE7B73A1B

3.4. Supported Languages

The device EDD supports English, German

3.5. Requirements

Compatible to IEC61804-3, -4, -5 Electronic Device Description Language (EDDL)

3.6. (Un)Installation and configuration

Start your EDD Host application and follow the instructions.

3.7. Known problems and limitations

NA

3.8. Getting help / further information

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

Use mouse over for field hints and tooltips.

3.9. How to get the Software (driver)?

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

4. FDI (Field Device Integration)

FDI Package (EDD based)

4.1. FDI Device Package Version record- What is new?

Released Date	Package Version	EDD Re-leased Ver-sion (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00)	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
March 2017	01.00.00	01 01	ABB_256x256, TZIDC_256x256, OI_TZIDC_EN_A.pdf	No	No	First release HART 5
March 2017	02.00.00	02 01	ABB_256x256, TZIDC_256x256, OI_TZIDC_EN_A.pdf	No	No	First release HART 7

Dec 2024	02.03.02	02 02	ABB_256x256, TZIDC_256x256, OI_TZIDC_EN_A.pdf	TZIDC_DOC_UIP.1.0.0.uip	1	Release with enhance- ment and UIP for HART 7
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4.2. Supported Languages

The device Package supports English

4.3. Requirements

FDI Technology Version 1.x.x

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

None

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?

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

4.9. Licensing

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

Contacts

ABB Measurement & Analytics

For your local ABB contact,

visit: abb.com/contacts

For more product information,

visit: www.abb.com/measurement

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