

Driver FSx400 HART

Content

1 Device – Revision Record – What is new?	1
1.1 Hardware ID: 1A9F, 1AA3	1
1.2 Software (Transmitter FW)	1
1.3 Device	1
2 DTM (Device Type Manager)	1
2.1 Supported devices	1
2.2 DTM (driver) Version record - What is new?	2
2.3 Requirements	2
2.3.1 PC-Hardware, Operating system	2
2.3.2 Frame application / compatibility	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	2
2.7 Getting help / further information	2
2.8 How to get the latest information & software?	2
2.9 Licensing the DTM	2
3 EDD (Electronic Device Description)	2
3.1 Supported devices	2
3.2 EDD Version record - What is new?	2
3.3 Requirements	2
3.3.1 Interpreter / compatibility	2
3.4 Installation and configuration	2
3.5 Known problems and limitations	2
3.6 Getting help / further information	2
3.7 How to get the latest information & software?	2
4 FDI Package (EDD based)	3
4.1 Supported devices	3
4.2 FDI ABB.Package Version record - What is new?	3
4.3 Supported Languages	3
4.4 Requirements	3
4.5 Import / remove and configuration	3
4.6 Update- / Upgrade instructions	3
4.7 Known problems and limitations	3
4.8 Getting help / further information	3
4.9 How to get the latest information & software?	3
4.10 Licensing	3

- *) 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 ID: 1A9F, 1AA3

Released Revision	Released Date	Remarks
01.00.00	Jan 2014	First release

1.2 Software (Transmitter FW)

Released Revision	Released Date	Remarks
01.01.09	Jan.2014	First release
01.03.00	Nov 2015	1 st revision (device type 1A9F)
01.04.00	Nov. 2016	Extension for hot water calculation, SIL release (device type 1AA3)

1.3 Device

Released Revision	Released Date	Remarks
01	Jan 2014	First release

2 DTM (Device Type Manager)

2.1 Supported devices

- FSV430, FSV450 - Vortex Flowmeter FSV400 HART VortexMaster with HW Version 01.01.00, SW Version 01.01.xx and Device Version 01 or higher.
- FSS430, FSS450 - Swirl Flowmeter FSS400 HART SwirlMaster with HW Version 01.01.00, SW Version 01.01.xx and Device Version 01 or higher.

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

2.2.1 Device Type 1A9F

Released driver Version	Released Date	Released bundle / Library Version	Remarks
05.00.00	03.2014	≥ 05.04.00 ≥ 05.00.20	- First release - Part of the DTM500 Bundle
05.00.01	11.2016	≥ 05.05.00 ≥ 05.00.22	Bug fixing New DTM library for "Observer role" in DCS

2.2.2 Device Type 1AA3

Released driver Version	Released Date	Released bundle / Library Version	Remarks
05.01.00	12.2016	≥ 05.05.00 ≥ 05.00.22	new release for device type 1AA3
05.01.01	03.2019	≥ 05.05.00 ≥ 05.00.22	Bug fixing Responds code

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

2.3 Requirements

2.3.1 PC-Hardware, Operating system

See DTM500 Bundle Supplement Info*)

2.3.2 Frame application / compatibility

See DTM500 Bundle Supplement Info*)

2.4 Installation and configuration

2.4.1 Installation

See DTM500 Bundle Supplement Info*)

2.4.2 Uninstall instructions

See DTM500 Bundle Supplement Info*)

2.5 Update- / Upgrade instructions

See DTM500 Bundle Supplement Info*)

2.6 Known problems and limitations

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

- None known

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

See DTM500 Bundle Supplement Info*)

3 EDD (Electronic Device Description)

3.1 Supported devices

- FSV430, FSV450 - Vortex Flowmeter FSV400 HART VortexMaster
- FSS430, FSS450 - Swirl Flowmeter FSS400 HART SwirlMaster

3.2 EDD Version record - What is new?

3.2.1 Device Type 1A9F

Released Version	Released Date	Remarks
01 01	July 2013	First release for device type 1A9F (for device FW ≤ 01.03.00)
01 02	Oct 2016	Bug fixing

3.2.2 Device Type 1AA3

Released Version	Released Date	Remarks
01 03	Dec.2016	New release for device type 1AA3 (for device FW ≥ 01.04.00)
01 04	Nov. 2018	For AMS only

3.3 Requirements

3.3.1 Interpreter / compatibility

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

- None known

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:

→ latest information [*field device protocol dependent*]

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

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

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)
Nov. 2018	01.01.00	01 04	FSS_FSV_family_256x256.png OL_FSV_FSS_430_450_EN_E.pdf	AGA_GERG_Calculations.1.0.5.uip,	yes	First release (Device Type 1AA3)

4.3 Supported Languages

The device Package supports English

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

No

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 mouse over 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

**ABB has Sales & Customer Support
expertise in over 100 countries worldwide.**

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

The Company's policy is one of continuous product improvement and the right is reserved to modify the information contained herein without notice.

Printed in the Fed. Rep. of Germany (03.2019)

© ABB 2019

3KXF300401R3901 Rev. D



Germany

ABB Automation Products GmbH
Borsigstr. 2
63755 Alzenau

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

[ver-
trieb.instrumentation@de.abb.com](mailto:ver-trieb.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