

Driver FMT4xx_FMT2xx HART

SensyMaster

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*) DTM700 Supplement Info is available on the data medium \documentation or latest on www.abb.com/fieldbus. Enter here in the search field following No. "3KXD801700R3901".

1 Device - Revision Record - What is new?

1.1 Device Type ID: 1A27

1.1.1. Hardware

Released Revision	Released Date	Remarks
04	Nov. 2018	First release

1.1.2. Software/Firmware

Released Revision	Released Date	Remarks
01.00.08	Nov. 2018	First release

1.1.3. Device

Released Revision	Released Date	Remarks
01	Nov. 2018	First release

1.1.4. Supported devices

FMT230, FMT250, FMT430, FMT432, FMT450, FMT452

SensyMaster FMT230, FMT250 HART with HW Version 04, SW Version 01.00.xx and Device revision 01 or higher.

SensyMaster FMT430, FMT432, FMT450, FMT452 HART with HW Version 04, SW Version 01.00.xx and Device revision 01 or higher.

1.2 Cyber Security info

1.2.1. ABB recommendation

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

1.2.2. 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

- Sensy Master FMT4xx_FMT2xx HART

2.2. Licensing

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

2.3 Hash Code

Hash code of 3KXF422400S0202_DTM_FMT4xx_FMT2xx_SensyMaster_HART.zip
 B2EEE822B45E880D3D3668425B01837F2D832E9B21A4D6445090AF47B2247845

2.4 DTM (driver) Version record – What is new?

2.4.1. Device Type ID: 1A27

Released Driver Version	Released Date	Released Library Version/FDI base EDD	List of UIPs	Remarks
07.01.01	July 2022	010400 0104	FMT_HART_ImportExport.1.0.x.uip FMT_HART_PrintUIP.1.0.x.uip	First release , DTM700 version
07.01.02	Sept 2025	010600 0106	FMT_HART_ImportExport.1.0.x.uip FMT_HART_PrintUIP.1.0.x.uip	Added measure- ment units for US market and en- hancements in De- vice Setup.

The device DTM supports the standard FDT 1.2 /1.2.1

2.5 Supported Languages

The device DTM supports English

2.6 Requirements

2.6.1 PC-Hardware, Operating system

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) , Windows 11 (64 Bit)

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

2.6.2 Frame application / compatibility

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

2.7 Installation and configuration

2.7.1 Installation

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>:\..\3KXF422400S0202_DTM_FMT4xx_FMT2xx_SensyMaster_HART.zip\
3KXF422400S0202_DTM_FMT4xx_FMT2xx_SensyMaster_HART \MID-001A_DID-1A27\Revision_07.01.02\ DTM FMT4xxFMT2xx HART.exe
- Follow the instructions

2.7.2 Uninstall instructions

DTM700

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

2.8 Update- / Upgrade instructions

DTM700

- If the previous version of the DTM700 i.e, 07.01.01 is already installed, then uninstall the DTM and install this version 07.01.02 as a fresh installation. 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 installation.
- Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

2.9 Known problems and limitations

DTM700

- 1) Limitation: DTM connection states are not updated – Communication DTM shall provide updated communication states on disturbed, aborted, standby, connected, disconnected
- 2) DTM is not tested with Symphony Harmony due to FDT issue – working with Harmony team to resolve
- 3) DTM window resizes when goes online/offline parameterization. Observed in AVB

2.10 Getting help / further information

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

2.11 How to get the latest information & software?

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

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

2.12 Licensing the DTM

DTM700

None

3 EDD

3.1 Supported devices

FMT230, FMT250, FMT430, FMT432, FMT450, FMT452

3.2 Hash Code

Hash code of 3KXF422400S0003_EDD_FMT4xx_FMT2xx_SensyMaster_HART.zip
AB1BB88F10BA66C7ABA2CDEF7A645D0D74DDA7EBAB6A427F4A0D9FABD228A9C5

3.3 EDD Version record / What is new?

3.3.1. Device Type ID: 1A27

Released Version	Released Date	Remarks	Hash Code
01 02 (FDI)	Nov. 2018	First Release	NA
01 04	Jan. 2020	<ul style="list-style-type: none"> General (unreg) Host specific optimizations -<i>PDM</i> 	8BA1758D200B53738F948C27 AF6F6F3E1ADABE0809E6BA8 D1AEBD1CA11A833AC
01 05	Feb 2022	<ul style="list-style-type: none"> FDI IDE 1.4.2 tokenizer fixes Low-cost device compatibility in FIM 2.2.1 	66D8818B4BD3B46B25B8066 9C3C98B31F78803B06774221 4295306606F7BA100
01 06	Jan 2025	<ul style="list-style-type: none"> Added measurement units, updates on Device Setup 	59F7FDF376FCA21D4DB07527 C9C782F586482BAD1634840 9574336261DD48AF7

3.4 Supported Languages

The device EDD supports English

3.5 Requirements

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

3.6 Remove / import and configuration

Start your EDD Host application and follow the instructions.

3.7 Known problems and limitations

None known

3.8 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.

Use mouse over for field hints and tooltips..

4 FDI (Field Device Integration)

FDI Package (EDD based)

4.1 FDI Device Package Version record - What is new?

4.1.1. Device Type ID: 1A27

Released Date	Package Version	EDD Released Version (Dev Rev)	Attachment (Revision)	UIP Released Version, Winx	UIP Changed UIP file count	Remarks (EDD, Attachment, UIP)
Nov. 2018	01.00.00	01 02	1a27_SensyMaster_256x256.png	none	no	First release
Jan. 2020	01.00.01	01 04	1a27_SensyMaster_256x256.png, OI_FMT230_250_EN_A.pdf, OI_FMT430_450_EN_A01.pdf	none	no	Bug fix
Feb 2022	01.05.00	01 05	1a27_SensyMaster_256x256.png, OI_FMT230_250_EN_A.pdf, OI_FMT430_450_EN_A01.pdf	none	no	Tokenzier & latest FIM related fixes
Jan 2025	01.06.00	01 06	1a27_SensyMaster_256x256.png, OI_FMT230_250_EN_D.pdf, OI_FMT430_450_EN_F.pdf	none	no	Additional measuring units for US market, Extended Measuring Range, Approximation of frequency output configuration like Coriolis.

4.2 Supported Languages

The device package supports English

4.3 Requirements

FDI Technology Version 1.3.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 known

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.

5 How to get the latest information & software?

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

Contacts

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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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