

Driver FEW5xx / FEX6xx HART

Electromagnetic Flowmeter

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*) 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

Released Revision	Released Date	Remarks
01.00.00	June 2016	First release

1.2 Software

Released Revision	Released Date	Remarks
00.01.00	June 2016	First release 510, 610 series
00.04.00	February 2017	Release 530, 630 series
01.14.00	-	Addition of Service menu

1.3 Device

Released Revision	Released Date	Remarks
01	June 2016	First release

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

FEW510, FEP610, FEH610
FEW530, FEP630, FEH630

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

Released Version	Released Date	DTM LIBRARY Version	Remarks DTM
05.00.00	June 2016	≥ 05.04.00 / ≥ 05.00.21	First release Part of the DTM500 Library
05.00.01	Aug. 2017	≥ 05.05.00 / ≥ 05.00.22	New DTM library for “Observer role” in DCS
07.01.00	July 2021	NA	Enhancements for Ethernet feature and Z-series device type

- The device DTM supports the standard FDT 1.2.

2.3 Requirements

2.3.1 PC-Hardware, Operating system

- 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
- Windows 10 (32 Bit / 64 Bit variants supported) onwards
- Microsoft .NET Framework 4.6.1
- Microsoft Visual C++ 2015 Redistributable - 14.0.23026
- Microsoft Edge(preferable)
- Adobe Reader latest version

2.3.2 Frame application / compatibility

- 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 (Un)Installation and configuration

2.4.1 Installation

- 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 07.01.00(Device type 1A0D):
<drive>:\..\3KXF242601S0202_DTM_FEx620_HART\MID-001A_DID-1AA7\Revision_07.01.00\DTM FEx620 HART.exe
- Follow the instructions.

2.4.2 Uninstall instructions

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

2.5 Update- / Upgrade instructions

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

2.6 Known problems and limitations

- FEx620 v 07.01.00: 800xA host Print UIP Save logs issue:** User is trying to save the logs, and it will pop up a message box saying “**You can’t open this location using this program. Please try different location**”
- Work around:** User must press ok and proceed further. It will not stop user to save the logs.
- FEx620 v07.01.00: Multiple DTM’s going online is not possible in 800xA – DCS specific issue.**
- Work around:** To have multiple DTM’s go online, User must pin the DTM window.

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/measurement

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

2.9 Licensing the DTM

None

3 EDD (Electronic Device Description)

3.1 Supported devices

FEW510, FEP610, FEH610
FEW530, FEP630, FEH630

3.2 EDD Version record - What is new?

Released Version	Released Date	Remarks	Hash Code(.fm8)
01 01	July 2017	First Release	NA
01 02	June 2019	FCG: FDI – registered	NA
01.03	Mar 2021	Addition of ethernet functionality, FEXx1x enhancements	NA
01 04	Oct 2025	Addition of service menu and enhancement for FW 01.14.00	730FE406EFBA6B58126C65AE E22854FEEEF15E62C6B111FC0B DF2ED4B724AE28

3.3 Requirements

3.3.1 Frame application / compatibility

EDD Host application / compatibility.

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

NA

3.6 Getting help / further information

NA

3.7 How to get the Software (driver)?

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]

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),Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
July 2017	01.00.00	01 02	FEP630_FEH630_family_256x256.png, OI_FEP610_FEH610_EN_A.pdf	NA	No	First release (Device Type 1AA4)
June 2019	01.01.00	01.02	FEP630_FEH630_family_256x256.png, OI_FEP610_FEH610_EN_A01.pdf	NA	No	FCG Registered
May 2021	01.03.00	01 03	FEP630_FEH630_family_256x256.png, OI_FEP610_FEH610_EN_A.pdf OI_FEP610_FEH610_EN_B.pdf OI_FEP630_FEH630_EN_B.pdf OI_FEP630_FEH630_EN_D01.pdf OI_FEP630_FEH630_EN_D02.pdf	EthernetUIP.1.0.5.uip	Yes	Addition of ethernet Functionality, FEXx1x enhancements
Oct 2025	01.04.00	01.04	CI_FEP610_FEH610-EN_C.pdf OI_FEP610_FEH610_EN_B.pdf OI_FEP630_FEW630_FEH630_EN_F.pdf CI_FEP630_FEW630_FEH630_EN_F.pdf	EthernetUIP.1.0.5.uip	No	Addition of service menu and enhancement for FW 01.14.00

4.2 Supported Languages

The device Package supports English

4.3 Requirements

FDI Technology Version 1.3.0

EDD Host application / compatibility

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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