

# Driver FEW530/ FEX630 PROFIBUS PA

## WaterMaster / ProcessMaster / HygienicMaster

### Electromagnetic Flowmeter

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# 1 Device - Revision Record - What is new?

## 1.1 Device Type ID: 3438

### 1.1.1 Hardware

Released Revision	Released Date	Remarks
01.00.00	October 2022	First release

### 1.1.2 Firmware

Released Revision	Released Date	Remarks
01.00.00	October 2022	First release

### 1.1.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
01	June 2018	First release

### 1.1.4 Supported devices

FEW530, FEW630, FEP630, FEH630

Electromagnetic Flowmeter FEW530, FEW630 / FEX630 PROFIBUS PA with HW Version 01.00.00, SW Version 01.11.00 and Device revision 01 or higher.

## 1.2 Cyber Security info

### 1.2.1 ABB recommendation

A virus scanner shall be used on all PCs/Notebooks. McAfee VirusScan® Enterprise has been tested and qualified for this purpose.

### 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 FEW5xx\_FEX6xx PROFIBUS PA

### 2.2. Licensing

The “General terms of license for computer software utilization” are valid, which can be found by searching on [abb.com](http://abb.com)

### 2.3 Hash Code

Hash code of 3KXF200200S0205\_DTM\_FEW530\_FEX630\_PROFIBUS.zip

D444848F96033A5F393E162411EA6F1249CD43F1199AD94C5F892FB327BCA224

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

#### 2.4.1. Device Type ID: 3438

Released Driver Version	Released Date	Released Library Version/FDI base EDD	Remarks
07.01.00	Aug 2025	010100 0101	First release , DTM700 version

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](http://www.abb.com/Instrumentation)
- Start the installation Wizard as follows:
- Right hand MouseClick with “run as Administrator”  
<drive>:\..\3KXF200200S0205\_DTM\_FEW530\_FEX630\_PROFIBUS.zip\3KXF200200S0205\_DTM\_FEW530\_FEX630\_PA\MID-001A\_DID-3438\Revision\_07.01.00\DTM FEW530\_FEx630 PA.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

- Install this version 07.01.00 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](http://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 GSD

## 3.1 Supported devices

FEW530, FEW630, FEP630, FEH630

## 3.2 GSD Version record - What is new?

Released Version	Released Date	Remarks
01.00.00	March 2023	First release
01.00.01	July 2024	Revised release based on customer feedback.

## 3.3 Requirements

### 3.3.1 Control System application / compatibility

For all certified PROFIBUS Frame applications by PI (PROFIBUS International)

### 3.4 (Un)Installation and configuration

Start your 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 application can be found in the respective documentation of the application.

### 3.7 How to get the latest information & software?

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

## 4 EDD (Electronic Device Description)

### 4.1 EDD Version record - What is new?

Released Version (Dev Rev)	Released Date	Remarks
01 01 / PDM only	Sept. 2022	First release

### 4.2 Supported Languages

The device EDD supports English

### 4.3 Requirements

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

### 4.4 Remove / import and configuration

Start your EDD Host application and follow the instructions.

### 4.5 Known problems and limitations

Not known

## 4.6 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 frame application.

Use mouse over for field hints and tooltips.

## 4.7 How to get the latest information & software?

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



## 5 FDI (Field Device Integration)

FDI Package (EDD based)

### 5.1 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),count Winx	UIP Changed UIP file	Remarks (EDD. Attachment, UIP)
Sept 2022	01.01.00	01 01	FEP630_FEH630_family_256x256.png, OI/FEP630/FEH630-EN REV. B ABB_3438.gsd Rev 01.00.00	none	no	First release

### 5.2 Supported devices

FEW530, FEW630, FEP630, FEH630

### 5.3 Supported Languages

The device Package supports English.

### 5.4 Requirements

FDI Technology Version 1.5.x

### 5.5 Import / remove and configuration

Start your EDD Host application and follow the instructions.

### 5.6 Update- / Upgrade instructions

Initial version

### 5.7 Known problems and limitations

Not known

### 5.8 Getting help / further information

Help concerning the integration of the Package in the FDI frame application can found in the respective documentation of the frame application.

Use mouse over for field hints and tooltips.

### 5.8.1 How to get the latest information & software?

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

## Contacts

### ABB Measurement & Analytics

For your local ABB contact,  
visit: [abb.com/contacts](http://abb.com/contacts)

For more product information,  
visit: [abb.com/measurement](http://abb.com/measurement)

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