

# Driver VortexMaster / SwirlMaster Modbus

## Vortex & Swirl Flowmeter

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\*) DTM500 Bundle Supplement Info is available on the data medium \documentation or latest on [www.abb.com/fieldbus](http://www.abb.com/fieldbus).  
Enter here in the search field following No. "3KXD801500R3901".

# 1 Device - Revision Record - What is new?

## 1.1 Device Type ID: 9F

### 1.1.1 Hardware

Released Revision	Released Date	Remarks
01.00.00	March 2017	First release

### 1.1.2 Software

Released Revision	Released Date	Remarks
01.00.01	March 2017	First Release

### 1.1.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
01	March 2017	First Release

### 1.1.4 Supported devices

FSS430, FSS430 - Swirl Flowmeter FSS400 HART SwirlMaster

## 1.2 Device Type ID: 1AA5

### 1.2.1 Hardware

Released Revision	Released Date	Remarks
01.00.00	Nov 2021	Add AI to Modbus VT5 Change to 2WTW CB PCBA

### 1.2.2 Software

Released Revision	Released Date	Remarks
02.00.04	June 2022	1 <sup>st</sup> revision (device type 1AA5)
02.01.00	Dec 2023	2nd rev

### 1.2.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
01	Nov 2021	1 <sup>st</sup> revision (device type 1AA5)

### 1.2.4 Supported devices

FSS430, FSS450 - Swirl Flowmeter FSS400 HART SwirlMaster

## 1.3 Cyber Security info

### 1.3.1 ABB recommendation

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

### 1.3.2 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.

## 1.4 Licensing

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

# 2 DTM (Device Type Manager)

## 2.1 Supported Devices

- FSV430 - Vortex Flowmeter FSV400 MODBUS VortexMaster with HW Version 1.0.0, SW Version 01.00.xx and Device Version 01 or higher.
- FSS430 - Swirl Flowmeter FSS400 MODBUS SwirlMaster with HW Version 1.0.0, SW Version 01.00.xx and Device Version 01 or higher.

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

### 2.2.1 Device Type ID: 9F

Released Version	Released Date	DTM LIBRARY Version	Remarks DTM
05.00.00	March 2017	≥ 05.05.00 ≥ 05.00.22	- First release - Part of the DTM500 Bundle

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

## 2.3 Supported Languages

English

## 2.4 Requirements

### 2.4.1 PC-Hardware, Operating system

See DTM500 Bundle Supplement Info\*)

### 2.4.2 Frame application / compatibility

See DTM500 Bundle Supplement Info\*)

## 2.5 (Un)Installation and configuration

### 2.5.1 Installation

See DTM500 Bundle Supplement Info\*)

### 2.5.2 Uninstall instructions

See DTM500 Bundle Supplement Info\*)

## 2.6 Update- / Upgrade instructions

See DTM500 Bundle Supplement Info\*)

## 2.7 Known problems and limitations

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

- None known

## 2.8 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.

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

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

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

## 3 EDD (Electronic Device Description)

### 3.1 Supported devices

NA

### 3.2 Hash Code

NA

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

#### 3.3.1 Device Type ID: NA

Released Version (Dev Rev)	Released Date	Remarks	Hashcode
NA	NA	NA	NA
NA	NA	NA	NA

### 3.4 Supported Languages

NA

### 3.5 Requirements

NA

### 3.6 Remove / import and configuration

NA

### **3.7 Known problems and limitations**

NA

### **3.8 Getting help / further information**

NA

## 4 FDI (Field Device Integration)

FDI Package (EDD based)

### 4.1 Supported devices

FSV430, FSV450, FSS430, FSS450 with Firmware Version ≤ 02.00.xx

### 4.2 FDI Device Package Version record- What is new?

#### 4.2.1 Device Type ID: 1AA5

Released Date	Package Version	EDD Released Version (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00), Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
Feb 2023	01.01.00	NA	OI_FSV_FSS_430_450_EN_G.pdf FSS_FSV_family_256x256.png ABB_256x256.png	AGA_GERG_Calculations_UIP.1.0.1.uip FSx4xx_Modbus_DiagnosticsHistoryUIP.1.0.2.uip	Yes	First release (Device Type 1AA5)
Jan 2024	01.02.00	NA	OI_FSV_FSS_430_450_EN_G.pdf FSS_FSV_family_256x256.png ABB_256x256.png	AGA_GERG_Calculations_UIP.1.0.1.uip FSx4xx_Modbus_DiagnosticsHistoryUIP.1.0.3.uip	No	Removal of housing temp, alarm description correction
Mar 2024	01.03.00	NA	OI_FSV_FSS_430_450_EN_G.pdf FSS_FSV_family_256x256.png ABB_256x256.png	AGA_GERG_Calculations_UIP.1.0.1.uip FSx4xx_Modbus_DiagnosticsHistoryUIP.1.0.3.uip	No	Fixed issue for Login Service Access

### 4.3 Supported Languages

The device package supports

English

### 4.4 Requirements

FDI Technology Version 1.3.0

EDD Host application / compatibility

### 4.5 Remove / import and configuration

Start your FDI Host application and follow the instructions.

## 4.6 Update / Upgrade instructions

No

## 4.7 Known problems and limitations

None

## 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 frame application.

Use mouse over 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](http://www.abb.com/measurement)



# Contacts

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## ABB Measurement & Analytics

For your local ABB contact,

visit: [abb.com/contacts](https://abb.com/contacts)

For more product information,

visit: [www.abb.com/measurement](https://www.abb.com/measurement)

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