

Driver AWT420 DP

Continuous Liquid Analyzer

Contents

1	Device - Revision Record - What is new?	3
1.1	Hardware ID: 3405	3
1.2	Software/Firmware	3
1.3	Device (latest SW compatibility status)	3
1.4	Supported devices	3
1.5	Cyber Security info	3
1.5.1	ABB recommendation	3
1.6	Licensing	4
2	EDD (Electronic Device Description)	5
2.1	Supported Devices	5
2.2	Hash Code	5
2.3	EDD Version record - What is new?	5
2.4	Supported Languages	5
2.5	Requirements	5
2.6	Remove / import and configuration	5
2.7	Known problems and limitations	5
2.8	Getting help / further information	5
2.9	How to get the latest information & software?	6
3	GSD	7
3.1	Supported devices	7
3.2	Hash Code	7
3.3	GSD Version record / What is new?	7
3.4	Requirements	7
3.4.1	Interpreter / compatibility	7
3.5	Installation and configuration	7
3.6	Known problems and limitations	7
3.7	Getting help / further information	7
3.8	How to get the latest information & software?	7
4	FDI (Field Device Integration)	8
4.1	FDI Device Package Version record - What is new?	8
4.2	Supported Languages	8
4.3	Requirements	8
4.3.1	FDI Host application / compatibility	8
4.4	Remove / import and configuration	8
4.5	Update- / Upgrade instructions	8
4.6	Known problems and limitations	9
4.7	Getting help / further information	9
4.8	How to get the latest information & software?	9
	Contacts	10



SUPPLEMENTARY INFORMATION | 3KXA877424R3901 REV. D

*) 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: 3405

Released Revision	Released Date	Remarks
03	February 2018	First release
05	July 2019	Ethernet module/webserver support

1.2 Software/Firmware

Released Revision	Released Date	Remarks
01.00.28	July 2019	First release
01.01.xx	June 2021	Addition of 4690 Turbidity sensor module support
01.02.xx	November 2022	Addition of ACL420 and Universal input module support

1.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
00	July 2019	First release
01	January 2020	Bug Fix
02	June 2021	Addition of 4690 Turbidity sensor module support
03	November 2022	Addition of ACL420 and Universal input module support

1.4 Supported devices

PROFIBUS DP Liquid Analytical Transmitter AWT420 with HW Version 01.00.00, SW Version 00.00.09 and Device revision 00 or higher.

1.5 Cyber Security info

1.5.1 ABB recommendation

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

1.6 Licensing

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

2 EDD (Electronic Device Description)

2.1 Supported Devices

- AWT420 PROFIBUS DP

2.2 Hash Code

Hash code of 3KXA877420S0006_EDD_AWT420_DP.zip
 2B3709381DC66D79F10EC39606379758A5A669DF2F135EE74010536649AFDB2D

2.3 EDD Version record - What is new?

Released Version (Dev Rev)	Released Date	Remarks
01 01	January 2020	First release PDM only
02 01	December 2020	Addition of new sensor modules
03 01	December 2023	Addition of Chlorine and UIM sensor module

2.4 Supported Languages

The device EDD supports English

2.5 Requirements

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

2.6 Remove / import and configuration

Start your EDD Host application and follow the instructions.

2.7 Known problems and limitations

None

2.8 Getting help / further information

Help concerning the integration of the driver in the EDD Host application can found in the respective documentation of the frame application.

Use mouse over for field hints and tooltips.

2.9 How to get the latest information & software?

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

3 GSD

3.1 Supported devices

Liquid Analyzer Transmitter: AWT420 DP

3.2 Hash Code

D68EE22B5CBABB99E6551A7EF539816AC77AA18EC3DE9041B7B5AFBDCDE2492A

3.3 GSD Version record / What is new?

ABB.3405.GSD

Released Version (Dev Rev)	Released Date	Remarks
00.01.00	July 2019	First Release

3.4 Requirements

3.4.1 Interpreter / compatibility

3.5 Installation and configuration

Start your Frame application and follow the instructions.

3.6 Known problems and limitations

None known

3.7 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.

3.8 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*]

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 Version (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00), Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
Jan. 2020	01.00.00	01 01	ABB_256x256.png, ABB_3405.gsd, CI_AWT420_EN_B.pdf, COM_AWT420_PROFIBUS_EN_A.pdf, OI_AWT420_EN_B.pdf	none	no	First release
Dec. 2020	02.01.00	02 01	ABB_256x256.png, ABB_3405.gsd, CI_AWT420_EN_B.pdf, COM_AWT420_PROFIBUS_EN_A.pdf, OI_AWT420_EN_B.pdf	none	no	Added new sensor modules
Dec. 2023	03.01.00	03 01	ABB_256x256.png, ABB_3405.gsd, CI_AWT420_EN_B.pdf, COM_AWT420_PROFIBUS_EN_A.pdf, OI_AWT420_EN_G.pdf	none	no	Added sensor modules Chlorine and UIM

4.2 Supported Languages

The device package supports English

4.3 Requirements

FDI Technology Version 1.x.x

4.3.1 FDI Host application / compatibility

FIM 2.3

PDM 9.x

4.4 Remove / import and configuration

Start your EDD Host application and follow the instructions.

4.5 Update- / Upgrade instructions

Upload FDI-Package (FDIX)

4.6 Known problems and limitations

- FDI Package will not work with RRTE 1.5
 - Workaround : use RRTE ver 1.4.2

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 frame application.

Use mouse over 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/analytical

Contacts

—
ABB Measurement & Analytics

For your local ABB contact,

visit: abb.com/contacts

For more product information,

visit: abb.com/measurement

We reserve the right to make technical changes or modify the contents of this document without prior notice.

With regard to purchase orders, the agreed particulars shall prevail.

ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.

Copyright© 2024 ABB

All rights reserved