

Driver LMT Magnetostrictive HART Level Transmitter

LMT100, LMT200, LMT300

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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 ID: 0x3440

| Released Revision | Released Date | Remarks |
|-------------------|---------------|---------------|
| 01.00.00 | Jan. 2017 | First release |

1.2 Software

| Released Revision | Released Date | Remarks |
|-------------------|---------------|----------------|
| 01.05.02 | Jan. 2017 | First release |
| 02.03.01 | Mar. 2022 | Second release |

1.3 Device (latest SW compatibility status)

| Released Revision | Released Date | Remarks |
|-------------------|---------------|----------------|
| 02.00 | Jan. 2017 | First release |
| 03.00 | Mar 2022 | Second release |

1.4 Supported devices

Level Transmitter (LMT100, LMT200, LMT300) with HW Version 01.00.00, SW Version 01.00.00 and Device revision 02 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 software utilization” are valid, which can be found by searching on abb.com

2 DTM (Device Type Manager)

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

| Released Version | Released Date | DTM Library Version | Remarks DTM |
|------------------|---------------|----------------------------|--|
| 05.00.00 | Jan. 2017 | ≥ 05.05.00 / ≥ 05.00.22 | First release. Part of the DTM 500 Bundle |
| 07.03.01 | Jun.2023 | NA | Device revision 3 support. Part of the DTM 700 |

The device DTM supports the standard FDT 1.2

2.2 Supported Languages

The device DTM supports English

2.3 Requirements

2.3.1 PC-Hardware, Operating system

DTM500

- See DTM500 Bundle Supplement Info*)

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)

- Microsoft .NET Framework 4.6.1

- Microsoft Visual C++ 2015 Redistributable - 14.0.23026

- Microsoft Internet Explorer 6.0 or higher

- Adobe Reader latest version

2.3.2 Frame application / compatibility

DTM 500

- See DTM500 Bundle Supplement Info*)

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

2.4 (Un)Installation and configuration

2.4.1 Installation

DTM 500

See DTM500 Bundle Supplement Info*)

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 Mouse Click with “run as Administrator”
- Version 07.03.01(Device type 1A9D):

<drive>:\..\3KXL141100S0202_DTM_LMT_Magnetostrictive_HART\MID-001A_DID-1A9D\Revision_07.03.01\DTMLMTxxxHART.exe

- Follow the instructions.

2.4.2 Uninstallation instructions

DTM500

See DTM500 Bundle Supplement Info*)

DTM700

the operating system: Start -> Settings -> Control Panel -> Add/Remove

Programs -> Select the DTM and Uninstall

2.5 Update/Upgrade Instructions

DTM500

See DTM500 Bundle Supplement Info*)

DTM700

- 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 Information document before proceeding with DTM700 installation.

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

2.6 Known problems and limitations

DTM not going online with freelance host. It is a freelance host limitation as it is not accepting more no. of data bytes in specific commands.

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

2.9 Licensing the DTM

DTM500: See DTM500 Bundle Supplement Info*)

DTM700: None

3 EDD (Electronic Device Description)

3.1 EDD Version record (what is new?)

| Released Revision | Released Date | Remarks |
|-------------------|---------------|--|
| 02 01 | Jan. 2017 | First release |
| 02 04 | Mar. 2022 | Bug fix; waveform points truncated to support AMS & Delta V |
| 03.01 | Mar. 2022 | New device revision (waveform points truncated to support AMS & Delta V) |

3.2 Supported Languages

The device EDD supports English

3.3 Requirements

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

3.4 Remove/Import and Configuration

Start your EDD Host application and follow the instructions.

3.5 Known problems and limitations

None

3.6 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.

3.7 How to get the latest information & software?

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

4 FDI (Field Device Integration)

FDI Package (EDD Based)

4.1 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), Winx | UIP Changed UIP file count | Remarks (EDD. Attachment, UIP) |
|---------------|-----------------|--------------------------------|-----------------------|---------------------------------------|----------------------------|--------------------------------|
|---------------|-----------------|--------------------------------|-----------------------|---------------------------------------|----------------------------|--------------------------------|

| | | | | | | |
|-------------------|----------|-------|--|--|-----|------------------------|
| Sept. 2018 | 01.01.00 | 02 02 | LMT100_256x256.png, OI_LMT100200-EN_A- Operating_Instructions.pdf, CI_LMT100200-EN_A- Commissioning_Instruc- tions_(Quick_Start_Guide).p df SM_LMT100200-EN_Rev_A- Safety_Manual.pdf | None | No | First release |
| Feb. 2019 | 01.00.00 | 02 02 | LMT100_256x256.png, OI_LMT100200-EN_A- Operating_Instructions.pdf, CI_LMT100200-EN_A- Commissioning_Instruc- tions_(Quick_Start_Guide).p df SM_LMT100200-EN_Rev_A- Safety_Manual.pdf | None | No | Registered |
| Mar. 2022 | 02.03.00 | 0202 | OI_LMT100200-EN_A- Operating_Instructions.pdf SM_LMT100200-EN_Rev_A- Safety_Manual.pdf SM_LMT100200-EN_Rev_C- Safety_Manual.pdf | None | No | Bug fix |
| Mar. 2022 | 03.01.00 | 0301 | OI_LMT100200-EN_A- Operating_Instructions.pdf SM_LMT100200-EN_Rev_A- Safety_Manual.pdf SM_LMT100200-EN_Rev_C- Safety_Manual.pdf | LMTxxx_Linearizati onUIP 1.0.1, LMTxxx_Waveform UIP 1.0.1 | Yes | New device revision |

4.2 Supported Languages

The device package supports English.

4.3 Requirements

FDI Technology Version 1.4.2

4.4 FDI Host application / compatibility

4.5 Remove / import and configuration

Start your FDI Host application and follow the instructions.

4.6 Update- / Upgrade instructions

Follow FDI host instructions

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.

4.9 How to get the latest information & software?

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

Contacts

ABB Measurement & Analytics

For your local ABB contact, visit:
abb.com/contacts

For more product information, visit:
abb.com/measurement

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