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**1 Device - Revision Record / What is new?**

**1.1 Hardware**

**FMT500-IG Standard**

Released Revision	Released Date	Remarks
01.00	03.01.2002	First release
01.01	07.06.2002	Bugfix version

**FMT500-IG Ex(Haz.)**

Released Revision	Released Date	Remarks
01.00	02.06.2003	First release

**1.2 Firmware**

Released Revision	Released Date	Remarksn
01.02	26.11.2001	First release
01.03	28.01.2002	Bugfix version
01.04	05.03.2002	Bugfix version
01.05	16.10.2002	Bugfix version
01.06	27.11.2002	Bugfix version
01.07	29.04.2004	Bugfix version
01.08	22.12.2005	Bugfix version

**2 DTM - Engineer IT Device Type Manager**

**2.1 Supported devices**

FMT500-IG\_DP version 1.04 to 1.08

**2.2 Version record / What is new?**

Compatible to FDT 1.2 frame applications

Released Version	Released Date	Remarks
01.00.23	17.10.2002	First release
01.00.26	26.04.2003	Bugfix version
01.00.29	08.06.2004	Bugfix version

**2.3 Requirements**

**2.3.1 PC-Hardware / Operating system**

Recommended equipment  
 Intel Pentium III Processor 450 MHz or compatible.  
 256 MB RAM memory.  
 300 MB free hard disk space.  
 Windows 2000 / XP  
 Internet Explorer 5.0.  
 Adobe Reader latest version  
 full administrator rights

The ABB FDT 1.2 DTM FMT500-DP is released for Windows 2000 and Windows XP (Home / Professional) as PC / Notebook installation.

### 2.3.2 Frame application / compatibility

The ABB FDT 1.2 DTM FMT500-DP is released for DSV401 (SMART VISION) Release 3.

The FDT compatibility was tested with the dtmINSPECTOR Rev. 1.01.21. Therefore the ABB DTM should be usable in all Frame Applications according to the requirements of FDT 1.2. Please read also the respective Frame Application documentation.

### 2.3.3 Software package contents

The setup files are in the respective DTM sub directory.

- setup.exe
- ReadMe.txt
- ReadMe\_de.txt

## 2.4 Installation and configuration

### 2.4.1 Installation

- Make sure that the minimum hardware requirements are met.
- Start Windows (with administrator rights!).
- Cancel all running programs.
- Insert CD-ROM.
- Start "Setup.exe" in the DTM\DTM FMT500-DP (Sensyflow iG) directory of the CD or in the folder you choosed for the software uploaded from the Internet.
- Follow the instructions.

### 2.4.2 Installed files

- Files and directories  
For a correct work of this DTM you need the following files in the specified directories:

sensyflow.dtd	...\V_hub\
sensyflow.exe	...\devices\001a\4_05CA\
sensyflowalws.dll	...\devices\001a\4_05CA\
sensyflow049.chm	...\devices\001a\4_05CA\
sensyflow001.chm	...\devices\001a\4_05CA\
readme.txt	...\devices\001a\4_05CA\
readme_de.txt	...\devices\001a\4_05CA\
ig_dtm_bild.bmp	...\devices\001a\4_05CA\
sensyflow.svd	...\svddesc\com_dpv1\001a\4_05CA\
pfile001.htm	...\svddesc\com_dpv1\001a\4_05CA\
pfile049.htm	...\svddesc\com_dpv1\001a\4_05CA\
sensyflow.fdt	...\svddesc\com_dpv1\001a\4_05CA\
abb_05ca.gsd	...\svddesc\com_dpv1\001a\4_05CA\

there ... is the home directory of SmartVision on your computer.

### 2.4.3 Uninstall instructions

- For uninstalling in the operating system: "Start-> Settings -> Control Panel -> Add/Remove Programs -> Install/Uninstall" -> Select the DTM and Uninstall.  
In any case first uninstall all DTMs before uninstalling the frame application SMART VISION.

## 2.5 Update- / Upgrade instructions

Uninstall is not needed before update / upgrade. It can be handled like a new installation, existing projects will be kept.

Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

## 2.6 Known problems and limitations

- If starting of a DTM fails with a runtime error 6 which occurs together with a control SV4\_digital.OCX, the PC needs to reboot.
- inputs in edit boxes have to be finished with CR or TAB to be valid
- The actual measured values are not displayed in Trend View leg end.
- For problems common to all DSV401R2 DTMs see \DTMlibrary\Disk1\ReadMe.TXT

## 2.7 Getting help / further information

- Press 'F1' for online help. Help concerning the implementation of the DTM in the FDT Frame Application (e.g. SMART VISION, ...) can be found in the respective documentation.

### Hints regarding commissioning

- When using SMART VISION in parallel to a cyclic master make sure the baudrates and bus parameters match as the cyclic master may crash otherwise. The network address of SMART VISION must be larger than that of the cyclic master.
- When a device has been connected for the first time, and an upload was done, it is recommended to save all data using the menu file/save as dataset. (database suffix \*.dat)
- Initialisation of the DTM for the FMT500:  
For starting the DTM, the DTM for the FMT500 as DP device has to be used when creating the project tree. For initialisation the point "More" has to be selected in the menu under "Device". Depending on the operating speed of the PC this could take some seconds.
- Configuration of the FMT500:  
The DTM is started by clicking the right mouse key or via the menu point "Device", in each case with "Edit".  
Changed data are displayed in blue and underlined. Using the command "Save data to device" these data will be sent to the device.
- In case the DTM will be used with an ABB AC800M controller, a HWD-file needs to be generated for implementation. For instructions refer to the information within the AC800M documentation.

## 2.8 How to get the Software (driver)?

Please use one of the following ways to get the Software (driver):

- Available on the newest DTM & DSV401 (SMART VISION) CD-ROM
- As download from <http://www.abb.com/Fieldbus>  
->[select Fieldbus protocol]  
->[select field device]  
->[select device group / name]  
use link read more / downloads  
-> go to flag "Fieldbus & HART Files"
- The Aspect Object (\*.afw) online file contains all driver and information. For the \*.afw file  
-> go to flag "Downloads"

## 2.9 Licensing the DTM

- The DTM is usable unlimited with any license in every Frame Application.

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