

Technical Information

Field Data Manager Software

MS20 / MS21

PC analysis software for data management and visualization



Application

- Automatic report generation, printout, data readout, data storage, protected export, PDF document generation
- Generation of reports and templates
- Readouts via online interface or from mass storage/ data carrier
- SQL database - tamper-proof data storage
- Online visualization of instantaneous values ("live data")
- Export/import of data
- Report generation for predefined standard reports or report templates generated in accordance with customer requirements
- The following versions of the software are available: Essential version (free of charge), Professional Demo version and Professional version (optionally available with report function). It is possible to switch to the Professional version at any time by entering a valid software ID.

Your benefits

- Reliable process documentation
- Intuitive user guidance and modern interface
- Highest safety through tamper-proof data storage and extensive user management functions
- Reduced data management costs due to data archiving
- Flexibility through SQL database
- Central database
- FDA approval in conjunction with the Advanced Data Manager, Memograph M RSG45

General information

Field Data Manager (FDM) is a software package that offers centralized data management with visualization for recorded data.

This enables all measuring point data to be completely archived, e.g.:

- Measured values
- Diagnostic events
- Analyses
- Event logbook

The following versions of the software are available:

- **Essential version:** This software version is available free of charge with restricted functionality.
- **Professional Demo version:** The demo version has the full range of functionality but is valid for 60 days (+30 days on request) only. After a maximum of 90 days without software activation, this version can no longer be run until it is successfully activated. The reporting option is not included in the demo version.
- **Professional version:** This version has the full range of functionality and can be purchased using a licensing model.
- **Professional version with reporting:** In addition to the functionality of the Professional version, it is possible to generate reports (based on the templates provided or in accordance with customer requirements).

It is possible to switch from the Essential version (freeware) and the Demo version to the Professional version at any time by entering a valid software ID and subsequent product activation.

FDM saves the data in an SQL database. The database can be operated locally or in a network (client / server). The following databases are supported:

- **PostgreSQL™** (for Essential, Demo and Professional version): You can install and use the free PostgreSQL database provided on the FDM DVD.
- **Oracle™** (for Demo and Professional version): version 8i or higher. To set up user login, please contact your database administrator.
- **Microsoft SQL Server™** (for Demo and Professional version): version 2005 or higher. To set up user login, please contact your database administrator.

Versions

The following table shows the range of functionality of the different software versions:

Function	Essential version (freeware)	Professional version (60 days Demo version + 30 days on request)	Professional version with reporting option
Supported databases:			
PostgreSQL™	X	X	X
Oracle™		X	X
Microsoft SQL Server™		X	X
Supported devices:			
Ecograph RSG20		X	X
Ecograph A RSG22		X	X
Ecograph C RSG24		X	X
Ecograph T RSG30	X	X	X
Ecograph T RSG35	X	X	X
Memograph RSG10		X	X
Memograph S RSG12		X	X
Memograph M RSG40	X	X	X
Memograph M RSG45	X	X	X
Memograph CVM40		X	X
EngyCal RH33		X	X
EngyCal RS33		X	X
RA33		X	X

Function	Essential version (freeware)	Professional version (60 days Demo version + 30 days on request)	Professional version with reporting option
Liquiline CM44x		X	X
Liquistation CSFxx		X	X
Liquiline System CA80xx		X	X
User administration		X	X
Different PCs can access the database simultaneously.		X	X
Data from several devices in one template		X	X
Automatic readout	X	X	X
Automatic deletion	X	X	X
Automatic binary export	X	X	X
Automatic XLS/CSV and PDF export		X	X
Export ready for Energy Software		X	X
Import of ReadWin 2000 data	X	X	X
Online visualization of instantaneous values ("live data")		X	X
Visualization of standard reports			X
Visualization of customer-specific reports			X
E-mail notification		X	X
Update search		X	X

System requirements

In order to install and operate the FDM software, the following hardware and software requirements must be met:

Hardware requirements for FDM software:

- PC with Pentium™ 4 (≥2 GHz)
- PC with Pentium™ M (≥1 GHz)
- PC with AMD™ (≥1.6 GHz)
- Minimum 1 GB RAM cache
- Minimum 20 GB free hard disk memory
- Minimum screen resolution of 1024 x 800 pixel
- CD/DVD drive

Hardware requirements for reporting server:

- The installation of the reporting server (BPI dashboard) requires approx. 1 GB of hard disk memory. If additional report projects are uploaded, these files are also factored in, in which case they usually require only a few MB of hard disk memory.
- The dashboard's Tomcat service requires approx. 1.5 GB of working memory. If the server is used only for reporting, 4 GB of working memory are sufficient. If it is used to run other applications, the memory requirement must be factored in.

Operating system/software for FDM software:

- Microsoft™ Windows™ Server 2003 R2 SP2 Standard, Enterprise (32 Bit)
- Microsoft™ Windows™ Server 2008 (32/64 Bit)
- Microsoft™ Windows™ Server 2012 (64 Bit)
- Microsoft™ XP SP3 (32 Bit)
- Microsoft™ Vista™ (32/64 Bit)

- Windows 7™ (32/64 Bit)
- Windows 8™, Windows 8.1™ (32/64 Bit)
- Windows 10™ (32/64 Bit)
- Windows™ .NET 2.0 SP1

Operating system for reporting server:

- Windows 7™ (64 Bit)
- Microsoft™ Windows™ Server 2008 (64 Bit)
- Microsoft™ Windows™ Server 2012 R2 (64 Bit)

Ordering information

Licensing model

The basic installation of the Professional version of the FDM software includes an interface to the SQL database and a PostgreSQL™ SQL database as well as all main functions. In the Professional version with reporting option, report generation is also possible. If another supported SQL database (e.g. an already existing installation) is to be used, FDM can also be connected to the existing database. **If the Professional version of the FDM software is to be installed on several workstations, one license is required per workstation.**

Ordering information

Detailed ordering information is available from the following sources:

- In the Product Configurator on the Endress+Hauser website: www.endress.com -> Click "Corporate" -> Select your country -> Click "Products" -> Select the product using the filters and search field -> Open product page -> The "Configure" button to the right of the product image opens the Product Configurator.
- From your Endress+Hauser Sales Center: www.addresses.endress.com



Product Configurator - the tool for individual product configuration

- Up-to-the-minute configuration data
 - Depending on the device: Direct input of measuring point-specific information such as measuring range or operating language
 - Automatic verification of exclusion criteria
 - Automatic creation of the order code and its breakdown in PDF or Excel output format
 - Ability to order directly in the Endress+Hauser Online Shop

Order code

Order code for Endress+Hauser Field Data Manager software:

MS20-A5 (Professional version; 1 x single user license)

MS20-A5+ED (Professional version with reporting option; 1 x single user license)

MS21-AAA1 (Professional version; 1x concurrent user)

MS21-AAA1+EA (Professional version with reporting option; 1x concurrent user)

Demo version

The Demo version can be used free of charge and without obligation for 60 days (+30 days on request). The reporting option is not included in the Demo version. The current version of the Field Data Manager software can be found at: www.endress.com/ms20

Warranty and guarantee

The licensor guarantees that the software product essentially complies with the specifications defined in the relevant documentation for a period of twelve (12) months after delivery.

Scope of delivery

A DVD with serial number and software ID is dispatched with each license ordered. The software ID is required for installation and activation of the software.

Supplementary documentation

- System Products and Data Managers brochure (FA00016K/09)
- Operating Instructions FDM "Field Data Manager Software" Online Help and Manual (BA00288R)
- Brief Operating Instructions "Field Data Manager Software" (KA00466C)
- Field Data Manager (FDM) – Energy Consumption Reports (CP01186R)

www.addresses.endress.com

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