

MAGNATEST[®] ECM Compact Edition



- Compact version for magneto-inductive material testing, based on the FOERSTER test instrument MAGNATEST ECM 3.621
- Integrated ideal solution, consisting of test instrument, panel PC with Windows[®] operating system, and application software **eddyAssist**
- Comfortable setting of test and installation parameters
- Online visualization of test signals
- Wizards for installation and optimization
- Loading and storing of instrument settings from/to mass storage
- Test protocols

Application

The **MAGNATEST ECM Compact Edition** is a very compact and attractive-priced solution for magneto-inductive materials testing.

The system concentrates all necessary components in one single, industry-proven desktop housing: test instrument, panel PC with touch screen and Windows® operating system, application software **eddyAssist**, all required adapters and connection cables.

The complete system is delivered readily installed and configured. Solely the test coil and test cable have to be ordered and connected separately.

The PC software **eddyAssist** executes on a PC under the operating system Micro-

soft Windows® in connection with a MAGNATEST ECM.

The test channel can be set up very comfortably, and the test results can be displayed in a graphical form on the screen..

The operation is very much automated through the use of installation and setup assistants and thereby very much simplified.

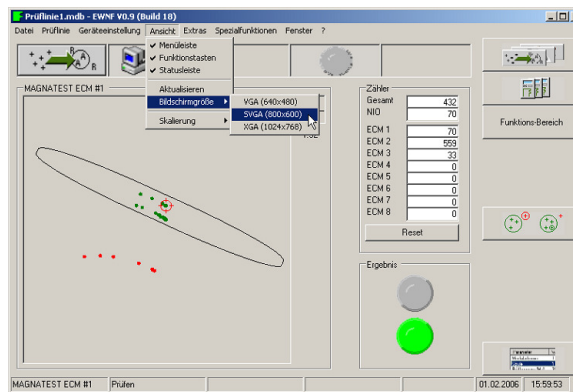
Storage of instrument settings on mass storage media as well as the printing of test protocols are additional features of the software.

Features

Program Structure

The operation of **eddyAssist** is intuitively and easily learnable. As a real Windows application **eddyAssist** sticks to all operating concepts known from this widely spread operating system (mouse operation, pull-down menus, function buttons, etc.). Therefore, the learning phase for the operator is extremely short.

The operation of **eddyAssist** is structured according to the various operating modes



of a test line: Test mode, Calibration mode, Setup mode.

Switching between these operating modes can be controlled by the use of a password. In this way very easily the different functions of test personnel, setup operators, and system managers can be delimited against each other.

Windows Assistants

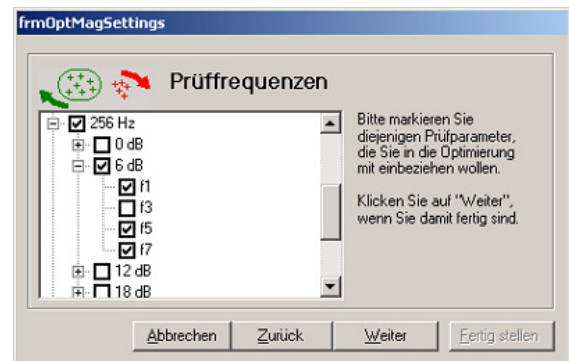
For conducting more complex operations **eddyAssist** uses the concept of wizards, which is well-known from many other Windows applications. In a dialog the user is



guided step-by-step through the individual stages and thereby intuitively led to his goal.

A very special feature of **eddyAssist** in this context are the optimization wizards.

They help the operator to optimize the instruments parameters to a given application by use of calibration specimen.



In this way two essential goals are achieved: (a) simple, comfortable, and fast set up of the optimal test parameters and (b) reproducible selection of parameter values, independent of the subjective estimation of the operator.

Language Versions

On the first program start of **eddyAssist** the user is prompted to select his preferred dialog language. Simultaneously the language for the integrated context-sensitive help function of **eddyAssist** is selected.

Of course the user can switch to another language at any time during program running very easily.



Components

The **MAGNATEST ECM Compact Edition** system consists of the following components:

- test instrument MAGNATEST ECM 3.621
- panel PC with touch screen
- Windows® operating system
- application software **eddyAssist**
- all necessary adapters, interfaces, and connection cables
- desktop housing 6HU

Coil(s) and coil cable(s) suitable for the particular application have to be ordered separately.

The system offers two available USB ports (one each, on front and at the backside) which can be used to connect an external keyboard/mouse, a printer, a memory stick, etc.

Upgrade Kit

For those customers who already use a MAGNATEST ECM an upgrade kit is available. This kit includes all components, described above with the exception of the test instrument MAGNATEST ECM 3.621 itself.

Keyboard/Trackball

Especially for entering text, but also for easy operating the program **eddyAssist** can be complemented by an external keyboard/trackball unit.

This unit is connected to the system by using one of the available USB ports.



Product Information

Leaflets

MAGNATEST ECM 3.621	107 513 6
MAGNATEST Transmitter System 3.625	137 992 5
PC-Software eddyAssist	188 266 0

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Ordering Instructions

Designation		Part No.	Order No.
MAGNATEST ECM	EDDYASSIST, DESKTOP HOUSING	3.621.91	188 326 7
UPGRADE KIT	PC AND SOFTWARE F. MAG ECM	3.621.01-8600	188 354 2
KEYBOARD WITH TRACKBALL	USB, GERMAN	KL09470	038 405 4
KEYBOARD WITH TRACKBALL	USB, US-ENGLISCH	KL00420	038 406 2