

AMM 91 connect[®]-FIRE

Compact engine test stand, engine management,
CHIP-tuning, optimization ...



THE SYSTEM

connect®-FIRE is the consistent extension of the world's only interactive (multimedia-controlled) engine management system (**connect®**). **connect®-FIRE's** special feature is its compact, "mini-sized" fuel-injection engine with electronically controlled loading unit, control unit, interface and intelligent teaching material and software.

THE ENGINE

The engine is a single-cylinder/4-stroke engine with a fully electronic fuel injection system. All sensors are clearly visible, easily accessible for installation and can be measured individually. The engine is also fitted with a magnetic powder brake that facilitates the recording of performance characteristic curves.

THE CONTROL UNIT

The control unit is a universal unit and is suitable for a variety of training topics by way of the various different types of software available. In conjunction with the internal combustion engine, Chip-tuning can be completed. In addition, all sensor and actuator signals are terminated at 4 mm safety-protected sockets so that all measured values are available using fundamental measurement techniques.

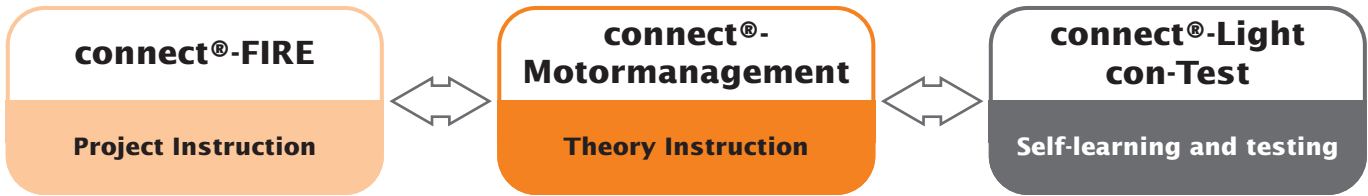
THE SOFTWARE

The software includes all the necessary characteristic maps for correct operation of the engine. The on-going operating data is continually monitored and displayed. During the operation of the engine, the characteristic maps can be altered and adapted, exactly. This provides an optimizing of the performance and exhaust gas responses.

SAFETY

To ensure a safe operation during training, the complete exercise assembly incorporates safety-protected cables and sockets. For protection against burn injury and protection against rotating parts, the engine is fitted with a protective housing. The housing has a front window and incorporates a safety cut-out contact. When the housing is open, the system cannot be switched into operation.





Description	Questions and additional information, under the following names
Project Instruction:	
connect®-FIRE	AMM 91
Theory Instruction	
<i>Petrol injection, Multipoint-systems</i>	
Motronic 5.1 (Bosch, Peugeot, Opel)	AMM 11
Motronic 1.3 (Bosch, Peugeot)	AMM 12
Motronic 4.1 (Bosch, BMW)	AMM 13
Fenix 3B (Volvo, Renault)	AMM 15
Digifant (VW)	AMM 17
Motronic 2.8 (Bosch, Opel)	AMM 19
<i>Petrol injection, Monopoint-systems</i>	
GM Multec SPI (Opel)	AMM 14
Weber/Marelli C6	AMM 18
<i>Diesel fuel systems</i>	
Common-Rail	AMM 21
Self-learning and testing	
connect®-Light	SO2000-8A*
con-Test	SO2000-8B*

* A prerequisite for these items is at least one full version of **connect®**.

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