Software and Testing Solutions

PLANNING, TURN KEY SOLUTIONS AND SERVICE
TCM/TOM – A powerful automation system that meets current and future demands. Real-time acquisition and analysis of measurements. TCM/TOM supports customized and certification test cycles.

FEVALYS – Provides efficient and effective analysis of a wide variety of information; including trends, operational measurements, cycles, and benchmark data. Generates high quality reports for complete analysis.

FEV Testing Solutions has extensive experience and has completed over 150 vehicle-, engine- and component test bench installations. FEV is continuously improving each test bench component to ensure the highest quality and to set future market standards.

FEV AirRate – NO CONTACT MASS AIR FLOW MEASUREMENT SYSTEM
> High degree of accuracy due to four measuring paths
> Wide measuring range covering single cylinder to HDD engine requirements
> Low maintenance and calibration requirements promote high up-time

FEV AquiRate – A UNIVERSAL DATA ACQUISITION SYSTEM FOR ALL YOUR MEASUREMENT NEEDS
> Four Connectors for fast and trouble-free installation
> Compact and highly flexible in a robust enclosure
> Suitable for near-engine installation to ensure highly reliable data
> Digitization of measurement values within FEV AquiRate
> Separate power supplies for measurement and power devices

MEASURING DEVICES

FEVIS – Modular combustion analyzer allows realtime execution and full integration of MATLAB/SIMULINK models. Analysis can be customized at the test bench; results are transmitted via EtherCAT to an automation system.

SOFTWARE FOR MEASUREMENTS

FEV Testing Solutions is an experienced systems provider that develops tailor-made solutions for its customers. We employ highly efficient project management techniques in the implementation phase that leads to high quality and reliable delivery.

FEV GmbH
CONSTANT AND REPRODUCIBLE TEST CONDITIONS

To obtain reliable and repeatable test results, precision controlled boundary conditions are required.

CUSTOMERS BENEFITS:
> Simple operation
> Fast system response to stable setpoints
> Increased test cell efficiency due to quicker stabilization times

Secure control and flexible communication interfaces – All FEV systems are equipped with On-Board-Controllers including an Ethernet interface using TCP/IP protocol. Alternative interfaces (AK, CANRaw and CSM) can be integrated to allow other connections to an automation system.

CONDITIONING SYSTEMS

FEV-FuelCon
Control of test object fuel temperature and pressure

FEV-LubCon
Control of test object oil temperature and pressure

FEV-ChargeCon
Control of charge air temperature and pressure

FEV-CoolCon
Control of test object cooling water temperature

FEV-AirCon
Control of test object combustion air temperature, pressure and humidity

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