

FUEL SYSTEM SIMULATOR

Fuel system simulator is designed to perform durability, calibration, life cycle, performance and quality control tests of fuel pump, rail and injection systems.

Test system is also capable of performing ECU testing with NI-labview based controller.



- **DURABILITY**
 - **CALIBRATION**
 - **LIFE CYCLE**
 - **PERFORMANCE**
 - **QUALITY CONTROL**
 - **ECU**
- TESTS OF**
- **FUEL PUMPS**
 - **RAIL SYSTEMS**
 - **INJECTION SYSTEMS**

SYSTEM FEATURES

- Customized modular design
- NI-Labview based controller
- 0-3.500 rpm operating range
- Temperature / pressure / flow control
- ECU communication, control and monitoring
- Compatible with connection of different types of pumps and injectors
- Cam, crank sensor connections

CONTROLLER & SOFTWARE

- 19" rack cabinet chassis
- Up to 16 hydraulics actuators / different test setups
- Configurable input / output channel numbers and specifications
- High-frequency control and data logging applications
- Stable and consistent 10 kHz real-time PID control architecture
- Automatic amplitude & offset compensation
- Data-logging up to 5 kHz/channel and up to 100 channels
- Intuitive sensor calibration menu
- Conditional warning and alarm definitions
- Automatic test with configurable test steps



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