

Common Rail Injector and Pump Test Bench

This test bench is designed to test the performance of high-pressure common rail pumps and injectors. It is controlled by an industrial computer and features an electronic fuel delivery system.



Overview

Professional Common Rail Diagnostic Solution

The AM-CRS708 is a high-precision test bench designed for comprehensive performance analysis of high-pressure common rail pumps and injectors. Controlled by an industrial computer with a Windows-based operating system, it provides real-time monitoring and electronic fuel delivery measurement via advanced sensors. This robust system offers a wide rail pressure range up to 2000 bar, ensuring accurate diagnostics for a variety of international fuel system components.

Performance Metrics

Key Performance Metrics

2000 bar

Max Rail Pressure

19 inch

LCD Display Size

4 pcs

Standard Injector Capacity

Control System

Data Capabilities

- Searchable database
- Printable test reports
- Free database updates
- Modifiable test data

Operating System

Windows-based Industrial Computer

Remote Maintenance

Yes

Injector Testing

Injector Test Functions

- Pre-injection quantity measurement
- Maximum oil quantity testing
- Cranking oil quantity testing
- Backflow oil quantity measurement
- Adjustable pulse and frequency
- Settable injection time

Pump Testing

Pump Test Functions

- Sealing performance test
- Internal pressure testing
- Input pressure testing
- Proportional electromagnetic valve testing

Safety & Protection

Safety Features

Short-circuit Protection, High-pressure Protection, Real-time Pressure Monitoring, Automatic Temperature Control

Optional Upgrades

Available Options

Forced Cooling System • Piezo Injector Testing • DRV Valve Function • HP0 Pump Testing • 6-Injector Capacity

Technical Characteristics

Operational Characteristics

- Low noise operation
- Precise sensor-based measurement
- Steady performance
- User-friendly interface