



# PETROL ENGINE TRAINER WITH MULTIPOINT INJECTION SYSTEM +

A1 - A8/L1

Product number

MVMPI01-DYNO



Training tool designed for automotive education, featuring a fully operational EURO4 MPI petrol engine integrated with a Dyno measurement system. It includes an OBD 16-pin diagnostic socket for in-depth engine diagnostics, open contacts for precise electrical measurements, and fault simulation capabilities via jumper removal. The system is equipped with a centralized control panel, OEM automotive parts, and integrated measurement tools, providing real-time monitoring and analysis of engine parameters. This robust, mobile unit is powered by a 12V integrated battery and uses gasoline, offering a practical and authentic learning experience for students.



## Features

- Real OEM EURO4 MPI petrol engine with connected Dyno measurement system.
- Includes an OBD 16-pin diagnostic socket for comprehensive engine diagnostics and performance monitoring.
- Open contacts for detailed electrical measurements of system components and circuits.
- Simulation of engine management system faults through the removal of jumpers.
- Centralized control panel with labeled components and a wiring diagram, facilitating easy monitoring and control of the engine.
- Durable metal frame with transport wheels for mobility and classroom use.
- Safety features including closed structure and removable protective panels.





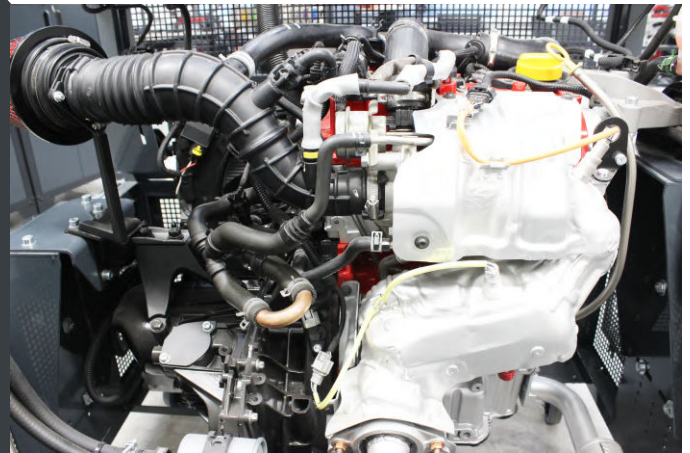
## Values for students

- Provides practical, real-world training using a fully operational EURO4 MPI petrol engine combined with Dyno measurement system.
- Utilize the OBD 16-pin diagnostic socket to monitor engine parameters, read and delete errors, live data analysis.
- Access open contacts for detailed measurements of system components and circuits, enabling students to understand and analyze electrical diagrams.
- Simulate engine management system faults by removing jumpers, allowing students to observe and diagnose changes in engine operation.
- Perform various laboratory tasks, including monitoring and analyzing car systems' work processes, enhancing technical understanding of internal combustion engines.
- Use integrated measurement tools to monitor ongoing processes and system parameters, ensuring a thorough comprehension of engine operations.



## Values for teachers

- Provides a visual tool for explaining and demonstrating the structure, operation, and settings of EURO4 petrol engine with connected Dyno measurement system.
- Uses OEM automotive parts for an authentic and practical learning experience. Students get real experience with all parts and functions exact as in real car.
- Enables the execution of various measurements, fault simulations, and diagnostic tasks, ensuring students receive a comprehensive, practical education.
- Benefit from a robust metal frame with transport wheels, ensuring both durability and mobility within the classroom. Allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- Ensure a safe learning environment with a closed structure with internal wiring, reducing the risk of accidental damage.
- Removable panels that protect against hot and rotating parts, while allowing easy access to the engine for maintenance and instructional purposes.
- The training stand is designed for simplicity, requiring only small adjustments to reset to default parameters, making it easy to prepare and start each lesson quickly and efficiently.



## Specifications

- Engine dimensions: 1200 x 1000 x 1500 mm (47.24 in x 39.37 in x 59.06 in)
- Engine weight: ~300 kg (660 lb)
- Dyno system dimensions: 800 x 800 x 1050 mm (31.50 in x 31.50 in x 41.34 in)
- Dyno system weight: 260 kg (573 lb)
- Power supply: 12V integrated battery
- Fuel type: Gasoline
- Made in EU
- Product number: MVMPI01-DYNO