



Description

- Fully functional system
- 4 cylinders in line, 1.4 TSI
- Diagnosis through OBD 16 pole diagnostic socket
- Open contacts for measuring system components and circuits
- Fault code simulations

Technical Specifications and Function

- The educational functional engine model with direct petrol injection (TSI) system, instrument cluster, cooling system, power supply system, turbocharger, and the exhaust system
- Ability to measure the exhaust gas before and after the catalytic converter
- Completed with safety removable panels to protect against hot and rotating parts
- Electrical wiring diagram with built-in banana plug jumpers for measurements and simulation of system fault codes
- Ability to simulate more than 30 faults by disconnecting banana plug jumpers
- Engine with external components is clearly visible after removing safety panels. Easy access to the engine and its components for service and maintenance
- Integrated engine emergency stop button
- For technical and vocational Tesca education and training

Diagnostic and measurement

Oscilloscope / Multimeter

- System's parameters are measured by connecting to the banana connector;
- Ability to measure electrical signal parameters of each system component (such as sensor or actuator);
- Ability to measure high voltage circuit of the ignition system;

Control Unit Diagnosis

- Diagnosis through OBD 16 – pin diagnostic connector
- Electronic control unit (ECU) identification
- Reading/erasing fault codes
- Displaying the operating system parameters (live data)

Note: Specifications are subject to change.

- Actuator test (depends on the control unit)
- Throttle adaptation
- Control unit coding/configuration

Other

The stand has a closed structure – internal wiring is not visible; Instrument cluster, measurement, and fault simulation panel is integrated into a closed aluminum frame construction

Dimensions approx. (HxLxW): 1550 x 1000 x 1200 mm

Nett weight approx.: 300 Kg

Made in EU

CE certificate

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in Educational petrol engine trainer with direct injection system (TSI) EURO 5 MVTSI01 Tesca operate and its technology.

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