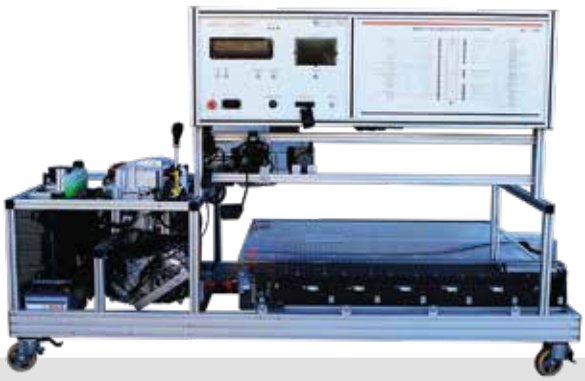
ELECTRIC VEHICLE TRAINING STAND

L3

Product number
MSEV03

Fully functional electric vehicle educational training stand. Includes key electric vehicle systems such as the electric motor, controller, and battery. All components are interconnected with high voltage cables and secured with protective plexiglass for safety. The stand's components are mounted on a durable aluminum frame with castors.



Features

- Integrated real electric car motor for practical learning. Genuine electric controller for accurate system management.
- Real electric battery, including high-voltage disconnect fuse for safety.
- Functional electric compressor to understand climate control in EVs.
- Safety features to prevent electrical hazards during training.
- Diagnosis through OBD 16-pole diagnostic socket for ECU operations.
- Includes a complete electric wiring diagram of the electric car for reading and understanding electrical diagrams, component markings, and use this knowledge for troubleshooting and repairing modern electric vehicles.
- Equipped for real-time monitoring of electrical parameters. Allows simulation of up to 10 faults on the EV control system.
- Includes prepared procedures and instructional manuals with images.

Value for instructors

- Learn and analyze electric motor, battery, wiring, controller, faults and more related to OEM electric vehicle.
- Compact design with an aluminum frame for mobility and classroom efficiency. Closed panels and internal wiring protect against accidental damage.
- Real-time data monitoring and fault simulation, ECU operations.
- Board is mobile and space saving in the classroom, allows use by multiple students for collaborative learning and practical training.
- Space-saving and mobile for efficient use of classroom space. Durable and light construction from solid aluminum frame to make it long lasting and safe to use.
- Closed panels and internal wiring makes it safe to use and ensures accidental damage to sensitive training stand parts.
- Requires small adjustments to reset to default parameters, making it easy to prepare and start each lesson.

Value for students

- Easy, safe, and comfortable training using OEM components to gain experience on real electric car.
- Practical experience with electric car systems, integrated electric motor, battery and controller.
- Analyze the electrical circuits of electric car systems, learn wiring diagrams and the related components such as battery, fuse, electric motor, controller.
- Electric diagram with a measuring box for measure the voltage and electric circuits of each engine component.
- Simulates various faults for diagnostic training.
- Includes wiring diagram with sensors, actuators, data transmission lines, and diagnostic connections, illustrating component connections and contact numbers.
- OBD II 16-pin diagnostic connectors for ECU identification, fault code management, real-time parameter monitoring.

Specifications

- Dimensions: 2505 x 1055 x 1605 mm (98.62in x 41.53in x 63.18in)
- Weight: approx. 700 kg (1543 lb)
- Power Supply: 12V battery, High-voltage battery (~400V) 24 kWh, 230V 50 Hz household electricity network
- Power: 71 kW (95 HP)
- High voltage battery (~ 400 V) 24 kWh 230 V 50 Hz household electricity network
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