



# ELECTRICAL VEHICLE FUNCTIONAL EDUCATIONAL TRAINER

L3

Product number

AE02



Fully operational electric vehicle based on the Nissan Leaf II shows real vehicle components and diagnostic capabilities for systems such as the electric motor, high-voltage battery, ABS, AC, airbags, brakes, suspension and more, providing knowledge of modern electric vehicle systems.



## Features

- Includes two diagnostic boxes: EV system, ABS, AC or airbags. More can be added additionally.
- Open contacts and wiring diagrams for two electronic systems facilitate detailed study and analysis.
- Enables simulation of 10 faults in the Vehicle Control Module and 10 faults in the Air Conditioning Control Module.
- Remotely introduce faults using a computer, tablet, or smartphone for efficient fault diagnosis training.
- Positioned in the car cabin, it can be moved as needed, ensuring safety and convenience during training sessions.
- Displays sensors, actuators, data transmission lines, and diagnostic connections for comprehensive system understanding.
- The fault simulation equipment is automatically activated and deactivated with the car, ensuring a safe training environment.





## Value for instructors

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Uses OEM automotive parts for an authentic and practical learning experience. Students gets real experience with all parts and functions exact as in real cars.
- Various diagnostic and fault simulation possibilities. Simulate EV system, SRS airbag system, braking system, climate control system with easy learning diagnostic boxes.
- Use advanced, hands-on training equipment to demonstrate key automotive systems and diagnostics.
- Easier real-time monitoring and fault simulation to improve student understanding and troubleshooting skills.
- Nissan OEM-based system allows students to be trained in diagnostics using almost any multibrand, specialized or OEM scan tools, ensuring a safe and high-quality learning environment.
- 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.

## Value for students

- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.
- Study and simulate electrical circuits of EV systems, climate control, airbag system, braking system with built-in measuring boxes and wiring diagrams. Two boxes are included, more diagnostical boxes can be added additionally.
- Develop diagnostic skills through built-in fault code simulations system of EV systems, climate control, airbag system, braking system.
- OBD II 16 – pin diagnostic connectors for ECU identification, fault code management, real-time parameter monitoring, throttle calibration and more.
- Simulating real vehicle pneumatic components, exact number of components are in training aid.

## Specifications

- Dimensions: 4479 x 1790 x 1535 mm (176.26x70.47x60.43 in)
- Weight: approx. 1640 kg (3615 lb)
- Power supply: 12 V battery
- High voltage battery: 400 V
- Safety requirement: EHVS01 protective tools set (optional)
- Product number: AE02