



LIGHTING EDUCATIONAL TRAINER

A6

Product number

MSAS02



The Lighting Educational Trainer MSAS02 is a high-fidelity simulation tool designed for automotive lighting systems. Housed in a mobile aluminum frame, this trainer features OEM VW/AUDI components, an electric wiring diagram with banana plug jumpers, and an OBD (J1962) 16-pin diagnostic connector. Key visible components include adjustable front headlights with motors and a closed structure that conceals internal wiring. This setup provides a detailed, practical platform



Features

- **OEM Components:** Utilizes OEM VW/AUDI parts for realistic and detailed training.
- **Electric Wiring Diagram:** Includes built-in banana plug jumpers for easy measurements and connections.
- **OBD Diagnostics:** Equipped with a J1962 16-pin connector for accessing CAN-Gateway, instrument cluster, and central electronics.
- **Adjustable Headlights:** Motors enable beam level adjustments; an optional headlight tester is available for precise calibration.
- **Diagnostic Tools:** Supports oscilloscope and multimeter for comprehensive system analysis.





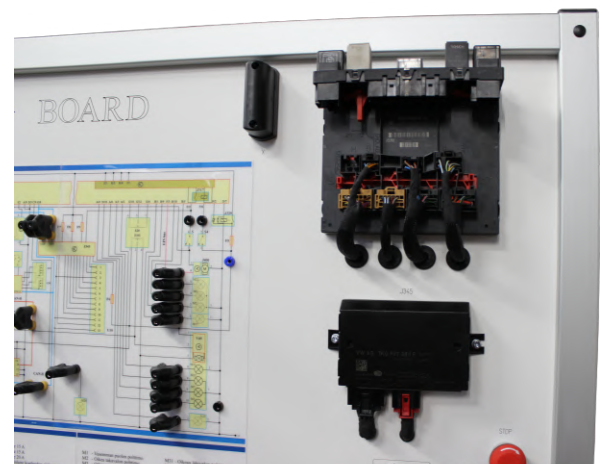
Values for students

- Fully functional lighting system, including front headlights and associated controls. Understand the structure and operation of automotive lighting systems.
- Utilize built-in electric wiring diagrams with banana plug jumpers for direct component connection and measurement. Perform detailed diagnostics through the OBD (J1962) 16-pin connector, including CAN-Gateway, instrument cluster, and central electronics.
- Conduct precise electrical measurements with an oscilloscope and multimeter. Learn to measure electrical signal parameters and analyze system component performance.
- Study adjustable beam levels of front headlights with integrated motors. Practice adjusting and testing headlight settings, optionally with a headlight tester for more precise calibration.
- Utilize the OBD diagnostic tool for ECU identification, fault code reading and clearing, live data display, and actuator activation, enhancing practical diagnostic skills.



Values for teachers

- Provides a complete setup for teaching automotive lighting system fundamentals, including wiring, diagnostics, and adjustment procedures.
- Uses OEM components for a realistic training experience that closely mimics real automotive systems.
- 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.
- The mobile aluminum frame ensures durability and ease of movement within the classroom. The closed structure hides internal wiring, maintaining a safe, clean and professional appearance.
- Incorporate various diagnostic tools and optional accessories, such as a 12V battery, 220/12V power supply unit, automotive oscilloscope, and OBD diagnostic scan tool, to tailor the learning experience to different levels of complexity.
- Requires small adjustments to reset to default parameters, making it easy to prepare and start each lesson.



Specifications

- Dimensions: 71.65 in x 53.54 in x 19.69 in (1820 x 1360 x 500 mm)
- Weight: approx. 132 lb (60 kg)
- Power supply: 12V from battery (optional); 110/12V power supply unit (optional)
- Optional Accessories: 12V battery, 110/12V power supply unit, automotive oscilloscope, OBD diagnostic scan tool
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