



LIGHTING EDUCATIONAL TRAINER



A6

Product number

MSAS01

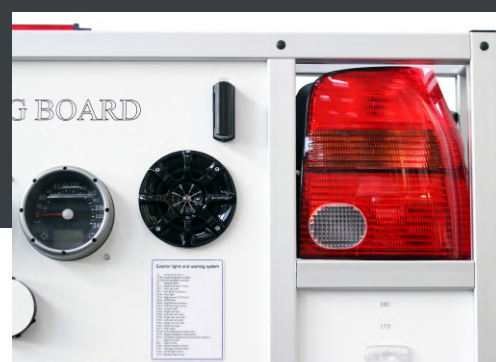


Fully functional automotive lighting training system, built on VW/AUDI OEM components, designed to teach the structure, operation, and diagnostics of vehicle lighting systems. This mobile aluminum-framed unit features open contacts for measuring system components and circuits, a 12V power supply, and diagnostic capabilities through an OBD 16-pin connector. The system supports electrical signal measurement, fault code management, and actuator activation, offering a



Features

- Fully functional lighting system based on VW/AUDI OEM components.
- Mobile aluminum frame construction for durability and ease of use in educational settings
- Electric wiring diagram with banana plug jumpers for precise measurements and component connectivity.
- Open contacts for circuit component measurement and analysis.
- Adjustable beam levels with motors for front headlights, facilitating practical adjustment training.
- Diagnosis via OBD (J1962) 16-pin connector for dashboard systems, including fault code management and live data display.
- Closed structure to protect internal wiring, enhancing safety and system integrity during use.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.





Value for Students

- Fully functional lighting system, enabling the study of automotive lighting components, circuit structures, and diagnostic methods.
- Perform precise electrical measurements using built-in banana plug jumpers and open contacts, ideal for signal analysis with oscilloscopes and multimeters.
- Develop diagnostic skills with the OBD 16-pin connector, allowing for control unit identification, fault code reading/erasing, and live data monitoring.
- Practice headlight beam adjustment and perform tests using a headlight tester, reinforcing understanding of automotive lighting regulations and safety.
- Study a wide range of lighting functions, including turn signals, brake lights, and headlight height adjustment, enhancing knowledge of modern automotive lighting systems.

Value for Instructors

- Demonstrate real-world automotive lighting systems with a robust, mobile training board, integrating seamlessly into classroom environments.
- The 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.
- Board on castors version, which is mobile and space saving in the classroom, allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- Simulate faults and measure system parameters to create dynamic, interactive lessons that enhance student engagement and understanding.
- 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.
- Plug and play design, requiring no additional mountings, assembly, or special preparation for operation.

Specifications

- Dimensions: 1820 x 1360 x 500 mm (71.65 in×53.54 in×19.69 in)
- Weight: approx. 60 kg (132 lb)
- Power Supply: 12V battery or optional 220 (110v)/12V power supply unit
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