



# LIGHTING EDUCATIONAL TRAINER

A6

Product number

MSAS03



Fully functional system designed to provide understanding of automotive lighting and signalling systems. This training stand mirrors the operations of actual car lighting equipment, integrated into a robust metal frame with transport wheels for easy mobility. Ideal for educational settings, it allows students to monitor, analyze, and diagnose various car systems, making it an essential tool for automotive training.



## Features

- Includes left and right headlamps, tail lamps, fog lamps, and various signal lights, all functioning as in real vehicles.
- Equipped with an OBD II diagnostic connector for real-time parameter monitoring and fault code management.
- Open contacts and a comprehensive wiring diagram with legends and jumpers for detailed measurement and fault simulation.
- Features rain and light sensors, headlight range control units, trailer detector control unit, and other essential components.
- Integrated control buttons and switches, such as light switches, turn signal switches, and hazard warning light switches, for hands-on operation.
- Safe, durable and mobile construction with internal wiring for best learning experience and safe environment.





## Values for students

- Open contacts to perform precise measurements of system components and circuits, enhancing technical proficiency.
- Fault simulation by removing jumpers and use the OBD II diagnostic connector to monitor live parameters, read, and clear errors, fostering advanced diagnostic skills.
- Study the operation and construction of car signalling and lighting systems, including sensors, actuators, and data transmission lines, for a thorough understanding of system functionalities.
- Analyze various system parameters such as headlight range control, turn signal operations, and emergency lighting, providing a solid foundation in automotive lighting technologies.
- Engage in diverse laboratory tasks using real automotive components, ensuring practical, hands-on experience.
- Provides easy, safe, and comfortable training that builds confidence, using OEM components to offer a realistic car repair experience.

## Values for teachers

- Fully functional model to demonstrate the principles and operations of automotive lighting and signalling systems effectively.
- 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.

## Specifications

- Dimensions: 1360 x 500 x 1820 mm (53.54 in x 19.69 in x 71.65 in)
- Weight: 60 kg (132 lb)
- Power supply: 12V battery
- Product number: MSAS03

