



### Features

- Fitted with components from modern day Automobile.
- Includes CAN Bus technology.
- Fault finding accessories included.
- Sci-tech Networking Automotive Systems: Lighting Trainer Model AM 045 is designed to familiarize students with the mordent automotive electrical & electronic systems. In modern day vehicles, the lighting and on-board network management functions are being taken over by controller units in automobiles. This training system consists of a steering column switch with control unit and the on-board network control unit. It can be expanded with control units for reverse gear detection and automatic trailer detection. Experiments can be carried out to investigate modern control unit functions. Detailed Operation & Maintenance Manual is provided along with the trainer.

### Technical Specifications

The following components are part of the training panel:

- Lighting unit
- Instrument cluster
- Electronic immobilizer
- Steering wheel electronics
- Control unit for automatic trailer detection
- 13-pole trailer socket
- Central control module for comfort system (CAN bus)

Note: Specifications are subject to change.

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- Electronic and electric system
- Windshield wiper motor
- Rain photo sensor
- Relay strip
- OBD diagnostic plug
- CAN bus interface
- Fault switching box

### Experiments

- Modern on-board systems technology
- Automatic lamp monitoring
- Comfort elements for lighting control
- CAN databus topology
- Functionality of a controller unit for trailer detection
- Troubleshooting

### Services Required

- Hydraulic Bench & Water Supply.
- Electrical Supply, 220 - 240 V, Single-phase, 50 Hz.