

H-AUTO-LS

Automotive Lighting System Trainer

Purpose

The Hampden **Model H-AUTO-LS** Automotive Lighting System Trainer demonstrates the principles of operation and troubleshooting techniques on an automobile.

First, the panel contains an automobile schematic showing component layout consistent with automobile lighting systems.

Second, the panel buttons are test points for taking readings of resistance, and or voltage on the included analog meters.

Third, a component isolation button allows any component to be removed from the circuit and tested separately for continuity. A variety of colored LEDs indicate the status of lamps on the panel.

There are many types of automobile lighting systems in service, each with their own unique parts. This trainer assumes standard parts that might be encountered in the field, so the troubleshooting, diagnostics, and repair techniques are similar for all automobile starting systems.

Testing Capabilities

Hampden's **Model H-AUTO-LS** demonstrates the application of basic electrical theory to troubleshoot automotive lighting systems.

- Power Distribution
- Ignition Switch
- Main Light Switch
- Head Lamps (left and right)
- Turn and Hazard Light
- Interior Lamp
- Rear Backup Lamps
- Front Parking Lamps
- Daytime Running Lamp Module
- Fog Lamps (left and right)
- Multi-function Switch
- License Plate Lamps
- Instrument Cluster
- Stop/Brake Lamps



Model H-AUTO-LS Automotive Lighting System Trainer
Dimensions: 25"H x 24"W x 12"D
Shipping Weight: 110 lbs

Real-Time Performance

Hampden's line of **Computer Assisted Panel Instruction Modules** have been designed to provide realistic System Operation & Troubleshooting functions to virtually *ANY CLASSROOM!* Each module's front panel is silkscreened with a complete schematic & pictorial layout of all system operations and combined with actual test-point pushbuttons, LEDs and meters.

All units are controlled via a PC computer using supplied Hampden software and USB I/O Interface.

Realistic Problem Solving in the Classroom

All Instruction Modules have the capability of inserting system specific Mechanical & Electrical malfunctions. This gives students the added experience of resolving realistic problem situations which would otherwise be very difficult for an instructor to create in a classroom.

Standard Features

- Schematic and Pictorial Test Points
- Specification Chart
- Improper Equipment Use Warning
- Component Isolate Switch
- Malfunction Indication
- Windows Digital Control System
- Duplex Socket for Power
- Power Indicator Lamp

All Hampden units are available for operation at any voltage or frequency

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