H-AUTO-SB

Automotive Storage Battery Simulator

Purpose

The **Hampden Model H-AUTO-SB** Automotive Storage Battery Simulator demonstrates the principles of operation and troubleshooting techniques on an automobile battery. The trainer panel is divided into five distinct sections.

First, the left side of the graphics panel contains a toggle switch for controlling the auxillary power, for battery tesing and recharging the automobile battery.

Second, the lower right side of the graphics panel contains a pictoral of the battery operational mode selection buttons and indicator lamps for the selected mode.

Third, the top of the graphics panel contains the measurement meter section, which contains an ammeter, voltmeter and milliamp meter, for battery tests.

Fourth, the top right of the graphics panel contains the engine running test button and the ignition Start/Stop buttons, as well as the battery voltage test buttons.

Fifth, and finally, the center graphic contains the individual battery cell test buttons.

There are many types of automobile batteries 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 batteries.

Testing Capabilities

Hampden's **Model H-AUTO-SB** provides training on testing automotive batteries utilizing hand held digital multimeters.

- Normal Battery Operation
- Battery Status
- Battery Capacity
- Battery Terminals
- Battery Charging
- Battery Drain Test
- Voltage Drop from Battery to Load
- Battery Testing
- Jump Start Vehicle from Another Vehicle
- Battery Cell Testing

Model H-AUTO-SB Automotive Storage Battery Simulator
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 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

Hampden® ENGINEERING CORPORATION

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P.O. Box 563, East Longmeadow, MA 01028 • Tel 413-525-3981 • Fax 413-525-4741 • E-mail sales@hampden.com **800-253-2133**