

# Sabre Heavy-Duty



## Heavy-Duty Battery and Electrical System Diagnostic Tester

- Heavy-duty for 24-volt battery and electrical systems
- Diagnoses battery packs in series, parallel, or series/parallel
- Test AGM/gel cell batteries

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**HIGHEST CCA** capacity ranges (50-4000 CCA – 24V).

**LARGE DISPLAY** for less scrolling, more detailed instructions. It's also backlit for all light conditions.

**INDUSTRY FIRST** amp clamp connection ports for live amperage readings using optional external amp clamp.

**15 FT. CABLE** to perform tests from the cab of the vehicle.

**FIELD UPDATEABLE** to accommodate new battery types, system updates, feature additions.

## Battery Testing

- Tests the following battery pack configurations:
  - One battery (6V or 12V)
  - Two batteries in series (24V); 2, 3, or 4 batteries in parallel (12V)
  - Two banks in parallel, each bank having 2 batteries in series (24V)
- Uses pack configuration in algorithm design.
- Step-by-step user instructions for easy test completion.
- Tester applied loads used on all pack combinations.

## Electrical System Testing

- 12V and 24V charging system tests
- 12V and 24V starting system tests
- 12V and 24V diode tests
- Amp clamps available (not included) for starting/charging and current draw tests.

## Features

**Amp Clamp Connection** – allows current drain tests and starting/charging analysis.

**Tests Both FLA** (flooded lead acid) and **AGM** (absorbed glass mat) battery types.

**Scales** – CCA, CA, AHR, MCA, JIS, DIN

**User Definable** – print header and footer.

**Removable Test Cables** – easily field replaceable.

**PC Interface Port** – allows for field updateable software.

**IR Compatible** – allows optional infrared wireless printer.

**Readout Display** – backlit for low light conditions, easy to view data in direct sunlight (4x20 character display).

**Security Cable Connection** – protects against stolen or dropped units.

**Over-molded Surround with Soft-touch Keys** – Ruggedly built, easy to use, even with gloves.

**No. 3167-HD** – Deluxe kit includes 24-Volt Heavy-Duty Battery Tester, 15 ft. test leads, instruction manual, molded plastic carrying case.

**No. 3168-HD** – Same as the 3167-HD above, but also includes an infrared wireless printer.

### Accessories:

**No. 3172-15** – 15 ft. Lead Set.

**No. 3169** – Infrared Wireless Printer.

**No. 3173** – Low Range Amp Probe (current drain tests).

**No. 3174** – High Range Amp Probe (starting/charging test).

