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DSS-5000 HD

HEAVY-DUTY BATTERY DIAGNOSTIC SERVICE SYSTEM



The DSS-5000 HD is designed specifically for Heavy-Duty Commercial Truck and Fleet applications

Offering 12- and 24-volt battery pack, starter, and alternator diagnostics, this tool supports RP 129, a Technology & Maintenance Council Recommended Practice for electrical system diagnostics. Pre-programmed service apps include test flows compliant with RP 129, pack test, and cable drop testing procedures. This makes testing more intuitive and less prone to error.

- Includes proprietary Midtronics Conductance Profiling™ technology that loads the battery to identify batteries with poor reserve capacity that may start the vehicle, but could fail to support vehicle accessories
- Saves testing time by allowing user to test the battery pack while still assembled in the vehicle. If the pack looks questionable, then the tester will prompt the user to disconnect the pack to test each battery individually

Key Features

- Print test results on a networked printer via built-in Wi-Fi
- Includes multimeter cable for cable drop testing
- 3-meter (9.84') field-replaceable heavy-duty test leads
- Optional amp clamp and integrated printer available
- Durable three-piece design includes a detachable controller with 5-inch full-color touchscreen display, tester pod, and charging dock





Models / Part Numbers

DSS-5000HD Kit

Include controller, tester pod, and charging/storage dock, 3m (9.8 ft.) battery test cables, DMM cables for cable voltage drop testing, amp clamp, AC power adapter/charger, and lead stud adapters.

DSS-5000PHD Kit

Adds an integrated printer to the DSS-5000HD Kit

Specifications

Applications

- Group 31
- Commercial 4D / 8D
- Automotive
- Pure Lead

Supported Batteries / Electrical System

- Flooded Lead Acid
- Enhanced flooded (EFB)
- Absorbed Glass Mat (AGM) Spiral and Gel
- NorthStar and Odyssey Pure Lead
- 12- and 24-volt charging systems

Battery Ratings

- CCA
- CA
- MCA
- JIS
- DIN
- SAE
- IEC
- EN

Wireless Communications

Class 2 Bluetooth

Wi-Fi Communications

2.4 Ghz 802.11 b, g, n

Accessories

- A401** 10-pack Printer Paper Rolls
- A657** Amp Clamp
- A658** USB Cable type A to Micro

Advanced System Diagnostics

- Conductance Profiling™ delivers enhanced diagnostics providing significantly fewer 'Charge & Retest' decisions, as well as battery reserve capacity warnings
- Supports conventional lead acid, EFB, AGM, and Pure Lead batteries
- Service apps promote quick, error-free testing
- Full-color touchscreen on removable controller provides easy system navigation, detailed reference information and test results
- On-tool Wi-Fi and Bluetooth capabilities support flexible networking capabilities

Analytics and Communication

The Midtronics Battery Management Information System (BMIS) is a cloud-based analytics solution offered via subscription, designed to support management of battery testing equipment, staff, and processes for improved battery program effectiveness and profitability.

The DSS-5000 HD has the capability to send data to BMIS using the shop's Wi-Fi network for review and analysis.

BMIS integration supports automated over-the-air software updates and analytical reporting

- Capture and review battery testing data
- Better manage and track warranty information
- Gain visibility into process compliance
- E-mail diagnostic results

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