

Technicians can quickly find the problem – in the battery, starting or charging system – in minutes, not hours. Full test results, including multiple battery tests, can be printed on an optional integrated printer. The MDX-700's 15' cable set allows for starting and charging system tests to be run from the cab, for complete control and simplicity. The analyzer's user-friendly interface intuitively prompts the technician through the entire test sequence quickly and easily.

Using patented conductance technology and an advanced heavy-duty battery testing algorithm, the MDX-700 HD provides accurate test results reliably for multiple configurations up to 2000 CCA.

- SAFE to use anywhere, even in front of the customer
- FAST and accurate testing of the battery or full system accurately in seconds
- SIMPLE proven user interface eliminates guesswork and user error, providing accurate analysis every time

The MDX-700 HD helps to:

- · Save time and money by improving battery and electrical diagnostic productivity
- Improve customer service by reducing wait time
- Increase sales by pro actively testing batteries and systems
- Increase customer satisfaction by identifying problems before they occur





MDX-700 HD Series

Heavy Duty Battery Conductance and Electrical System Analyzers

PATENTED CONDUCTANCE TECHNOLOGY IS AT THE HEART OF OUR ANALYZERS









Conductance is a unique electrical measurement that determines the ability of a battery to transmit current through its internal structure. Years of laboratory and field research have proven that conductance provides a reliable indication of battery state-of-health and a correlation to the battery's cranking ability

Conductance Technology can be used to detect cell defects, shorts, and normal aging.
Midtronics Conductance Technology is recognized globally as the standard for determining battery condition and controlling battery charging.
Conductance is the required test method for battery warranty decisions at most automotive OEMs.

A new battery, when fully charged, will have a high conductance reading, anywhere from 10% to 15% higher than its full CCA rating.

As a battery ages, its internal components wear out through corrosion, disintegration, and shedding. Performance of the battery is significantly degraded and can be measured through its conductance value.

THE COMPLETE TOOL FOR ALL VEHICLE AND BATTERY APPLICATIONS

The MDX-700HD combines all of the testing functionality of our MDX-650 series with the added ability to test the multiple battery systems found in trucks and commercial equipment



Vehicle Applications

- Group 31
- Automotive
- Motorcycle
- Marine Cranking
- Lawn and Garden
- Commercial 4D/8D



Battery Types

- · Regular flooded
- AGM flat plate
- AGM spiral
- Gel



Global Systems

- CCA, CA, MCA, JIS, SAE, EN, DIN, IEC
- 6 and 12 volt batteries
- 12 & 24 volt charging system testing



PACK TEST DATTERY 4 GOOD. RECHARGE VO.15 HERCLEFO. 441 CCI Battery Conductance and Electrical System Analyzer

Starter/ Alternator Testing

- Quick starter analysis without disabling the ignition
- Advanced menu-driven interface for a complete charging system analysis in seconds

Battery Pack Testing

- Test the pack with batteries connected for PM testing
- Routine for testing and reporting individual battery results from multiple battery systems

Additional Features

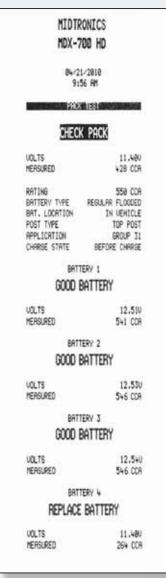
- VIEW/PRINT to view last test from memory or print another copy
- QC MODE for performing quality control testing
- Multiple Languages
- COUNTER Information to track activity, including good vs. replace, batteries and system test results
- Large back-lit display keeps operation simple for all levels of users
- Data card reader for software upgrades
- 15' Heavy Duty Removable cable set allows running tests from the cab



MDX-700 HD OVERVIEW

Heavy Duty Battery Conductance and Electrical System Analyzer for testing 6 and 12 volt system batteries in 12 to 24 volt systems consisting of one or as many as six batteries (in a pack)

- In-vehicle capabilities for analyzing the starting and charging systems
- Date and time for accurate records
- User definable header
- Complete system information in an easy to read and understand format



Sample Printout



AVAILABLE MODELS

MDX-700 HD Series products can be purchased with an integrated printer or a portable IR printer to provide a professional diagnostic report to the consumer.

MDX-700HD
 Battery Conductance and Electrical System Analyzer w/15' cable and heavy duty

battery clamps

MDX-700PHD
 Battery Conductance and Electrical System Analyzer w/15' cable and heavy duty battery clamps and an integrated thermal printer

Midtronics is focused on developing innovative technologies for battery management.

For preventive maintenance, professional service and warranty management, our battery and electrical diagnostic equipment is the accepted standard by new vehicle dealers, service centers and battery retailers worldwide.









MDX-700HD Series Battery Conductance and Electrical System Analyzers

SPECIFICATIONS:

Models:

 MDX-700HD Battery Conductance and Electrical System Analyzer

Includes: MDX-700 HD Series Analyzer, MDX-700 HD Software (installed), Manual, stud adapters, 15' cable set, tool bag.

 MDX-700P HD Battery Conductance and Electrical System Analyzer

Includes everything from MDX-700 HD with the addition of an Integrated Printer.

Available Accessories:

A156 Tool Bag Carrying Case

A260 Replacement 15' Battery Test Cable

A033 Lead Stud Adapters, 2 male, 2 female

A095 6 pack, thermal paper*

* Replacement paper rolls available at most office supply stores

A087 IR Printer with Charger (for MDX-700 HD)

Applications:

- Group 31
- Automotive
- Motorcycle
- Marine
- Lawn & Garden
- Group 31
- Commercial 4D/8D

Display:

5-line Text/Graphical Backlit Display

Operating Temperature:

 0° C to +50°C (32°F to +122°F)

Test Range:

CCA: 100-2000 BY 5
MCA: 100-2000 BY 5

• EN: 100-2000 BY 5

• SAE: 100-2000 by 5

• CA: 100-2000 BY 5

JIS#: By Part NumberDIN: 100-1200 by 5

• IEC: 100-1200 by 5

Voltage Range:

.9Vdc - 30Vdc

Cable Length:

15'/455cm (standard)

Power Requirements:

Uses the power of the battery under test and 6 AA Internal Batteries

Languages:

English

Spanish

French Canadian

Housing Material:

Acid resistant ABS plastic

Dimensions:

MDX-700 HD: 19.5cm x 10cm x 5cm

 $(7.7" \times 3.9" \times 2.4")$

MDX-700PHD: 27cm x 10cm x 5cm (10.6" x 3.9" x 2.4")

Weight:

MDX-700 HD: 544g (1.2 lbs)

MDX-700P HD: 771g (1.7 lbs)





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