

Evolve.



MIDTRONICS

MDX-655P Battery Conductance and Electric System Analyzers

Introducing the MDX-655 from Midtronics, worldwide leader in battery and electrical diagnostics. The new MDX-655 combines over 20 years of experience and innovation gained from selling essential tools to nearly every car and truck OEM in the world, with the industry standard conductance technology for battery testing, which makes testing safe, fast, and simple.

SAFE to use anywhere, even in front of the customer

FAST and accurate testing of the battery or electrical system in seconds

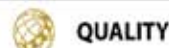
SIMPLE, proven user interface eliminates guesswork and user error to provide an accurate analysis every time

The MDX Series advanced features include:

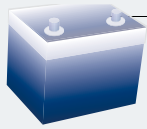
- Multiple vehicle applications, battery types, and rating systems
- Large back-lit screen and improved user interface
- Integrated printer option
- Improved Removable Cable Design

Which helps to:

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



PATENTED CONDUCTANCE TECHNOLOGY IS AT THE HEART OF OUR ANALYZERS



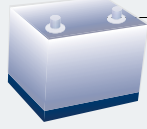
NEW BATTERY

Rating: 500 CCA
Measured:
600 CCA



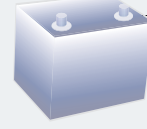
DURING LIFE

450-600 CCA



APPROACHING END OF LIFE

430 CCA



REPLACE BATTERY

350 CCA

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



Vehicle Applications

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



Battery Type

- 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



Advanced Starter/Alternator Testing

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

Additional Features

- VIEW/PRINT – to view last test from memory or print another copy
- Large back-lit display keeps operation simple for all levels of users
- Data card reader for future software upgrades
- 4' or 10' Removable cable set for running the test from the driver's seat.
- QC MODE for performing quality control testing
- Multiple Languages
- COUNTER Information to track activity, including good vs. replace, batteries and system test results

Removable Cable set



AVAILABLE MODELS

TEST REPORT	
YOUR STORE	
STREET	
CITY, STATE/PROV	
ZIP OR POST CODE	
COUNTRY	
PHONE NUMBER	
WEBSITE	
05/23/2008	
08:29 AM	
BATTERY TEST	
GOOD BATTERY	
VOLTS	12.48V
MEASURED	739 CCA
RATED	600 CCA
BATTERY TYPE	REGULAR FLOODED
BAT. LOCATION	IN VEHICLE
APPLICATION	AUTOMOTIVE
STARTING TEST	
CRANKING NORMAL	
CRANKING	11.17V
TIME	.96S
CHARGING TEST	
NO PROBLEMS	
NO LOAD	LOADED
14.25V	14.08V
CONFIG: 192-110023R1	

Sample Printout



• MDX-655P

Battery and Electrical System Analyzer combines the full MDX-640 capabilities for battery testing with in-vehicle capabilities for analyzing the starting and charging systems (6 and 12 volt batteries and 12 and 24 volt charging systems) The MDX-655P, plus an Integrated Printer



Software Updates via
Memory Card reader

SPECIFICATIONS:

Models:

- **MDX-650P** Battery Conductance and Electrical System Analyzer with Integrated Printer
Includes: MDX-600 Series Analyzer with integrated printer, MDX-650 Software (installed), Manual, stud adapters, 10' cable set, tool bag.

Available Accessories:

- A156 Tool Bag Carrying Case
- A207 Replacement 4' Battery Test Cable
- A208 Replacement 10' 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-640)

Applications:

- Automotive
- Motorcycle
- Marine
- Lawn & Garden
- Group 31
- Commercial 4D/8D
- 6 & 12 Volt batteries
- 12 & 24 Volt charging systems

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 Number
- DIN: 100-1200 by 5
- IEC: 100-1200 by 5

Voltage Range:

1Vdc – 30Vdc

Cable Length:

- 10'/305cm (MDX-650/650P)

Power Requirements:

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

Languages:

- English
- French Canadian
- Spanish
- Portuguese

Housing Material:

Acid resistant ABS plastic

Dimensions:

MDX-655P: 27cm x 10cm x 5cm (10.6" x 3.9" x 2.4")

Weight:

MDX-655P: 771g (1.7lbs)



MDX-655P

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