



BATTERY ACCESSORIES

BATTERY TESTERS



BAT/48293

Battery Tester & Electrical System Analyzer

- 12V Car & Motorcycle batteries
- Fully Graphical Interface
- LCD Display
- TouchPad with Sensor technology
- WET, AGM, EFB, GEL
- CCA, SAE, EN, IEC, DIN, CA, JIS, EN
- Starter Test
- Alternator Test
- Data transfer to PC



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Battery Tester & Electrical System Analyzer

- 12V Car & Motorcycle batteries
- Fully Graphical Interface
- LCD Display
- Integrated Printer
- TouchPad with Sensor technology
- WET, AGM Flat, AGM Spiral, EFB, GEL, Ca
- CCA, SAE, EN, IEC, DIN, CA/MCA, JIS, EN1, EN2
- Starter Test
- Alternator Test
- Data transfer to PC

BAT/48510

Replacement paper roll

EXP-1000

EXPANDABLE ELECTRICAL DIAGNOSTIC PLATFORM

BAT/26728

With the EXP-1000 you can diagnose every part of the electrical system; battery to starter to alternator, more accurately and decisively than ever before.

FEATURES

Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness

Advanced Electrical System Diagnostics with Digital Signal Processing

- Digital Signal Processing (DSP) delivers improved accuracy and the ability to analyze the amplitude level and frequency of the ripple pattern to identify open or shorted diodes and open-phase conditions

DMM Function for Advanced Diagnostics

- AC/DC Volts • AC/DC Amps • Volts/Amps Mode
- Scope Mode • Temperature • Diode Test
- Ohm Meter

Patented Conductance Cable Drop Test

- Interactive test routines using dual cable sets for more effective analysis of voltage drop across ground circuit, starter system, alternator system, and generic system testing

Enhanced Communications Capabilities

- IR printer option
- Data card reader/writer for future upgrades

Superior User Interface

- Large graphical display screen
- Scroll bar capability
- Alphanumeric keypad, icon-based menus and hot keys improve screen flow





Add battery testing to your preventative maintenance routine and identify bad batteries before your customers get stranded. You will increase battery sales and have satisfied customers.

BAT/26723

Complete with an integrated printer, the Midtronics MDX-300 series makes it easy and more affordable to determine and present the current state of a battery and electrical system. The MDX-300 series perform a quick, simple, and accurate battery or system test in seconds without heat, sparks, or user interpretation. The results can then be printed and reviewed immediately with customers to add impact to preventative maintenance routines and customer service.

SPECIFICATIONS

- Integrated printer provides immediate results to review with the customer
- User-defined headers on printout
- Tests 12-Volt batteries and electrical systems for cars and light trucks
- Tests starting and charging system voltage and displays results
- Tests batteries from 100 to 900 CCA
- Bad cell detection
- Reverse polarity protection
- Tests discharged batteries down to one Volt
- Multiple rating system compatible (CCA, SAE, DIN, EN, IEC)
- Tests multiple battery chemistries, including standard (flooded), AGM, and Gel
- 19 languages



MDX-335P

MDX-600 SERIES BATTERY CONDUCTANCE AND ELECTRICAL SYSTEM ANALYZER

The MDX-600 series combines industry standard conductance technology for battery testing with more than 25 years of experience and innovation gained from selling essential tools to nearly every car and truck OEM in the world. 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 Replaceable Cable Design

APPLICATIONS

- Automotive / Motorcycle / Truck / 6 & 12 Volt batteries / 12 & 24 Volt charging systems

BATTERY TYPE

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

TEST RANGE

- JIS, SAE, EN, DIN, IEC / 6 and 12 Volt batteries

ADVANCED STARTER/ALTERNATOR TESTING

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

SUPPORTED LANGUAGES

- 24 languages



Ref.	Includes:
BAT/26721	MDX-645 Battery Conductance Analyzer including 120 cm cable (6 and 12 Volt batteries)
BAT/26722	All of the MDX-645 features, including 120 cm cable plus an Integrated Printer
BAT/26725	Battery and Electrical System Analyzer combines the full MDX-645 capabilities for battery testing with in-vehicle capabilities for analyzing the starting and charging systems including 300 cm cable (6 and 12 Volt batteries and 12 and 24 Volt charging systems)
BAT/26726	All of the MDX-655 features, including 300 cm cable plus an Integrated Printer



BATTERY ACCESSORIES

BATTERY TESTERS



KEY FEATURES

- Simple and easy to use
- Test batteries on and off the vehicle
- Accurate results in milliseconds
- Battery Life Analysis
- Analysis Result : Good or Replace
- Large easy to read LCD display.
- Test results based on JIS, EN, DIN, SAE and IEC Standards.
- Languages: English,
- Quick test—input battery volume (AH), then it can show the battery status.
- Vehicle cranking system test—cranking time, voltage and status.
- Vehicle charging system test—load voltage, unloaded voltage, ripple status and charging system status.
- Store the testing result, print function

BATTERY ANALYSER

BAT/47914

This Battery tester is designed to test the condition of the automotive battery using conductance method. Unlike the conventional method of draining the battery by applying resistance load to it and obtain the result from the meter gauge; this analyzer utilizes a series of pulsed voltage across the battery cells and observes the AC current that flows in response to it.



System voltage	12 Volts
Input voltage range	9V~15V
Power requirements	No internal batteries required. Power on when hooked up during testing.
Testing range	100 ~ 2000 CCA, 100 ~ 1000 DIN, 100 ~ 1000 IEC, 100 ~ 1700 EN
Weight	0.5kg

THE BENEFITS OF THIS TEST METHOD ARE

- Conductance correlates directly to the battery capacity Passive testing method is safe.
- Never discharges or drain the battery.
- Able to test condition of discharged battery. Consistent and repeatable results.
- Provides unique indication of battery conditions.

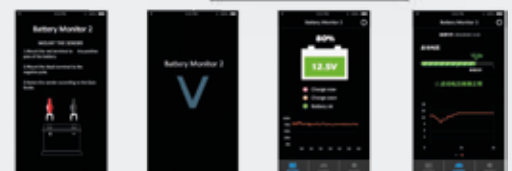


BATTERY MONITOR

BAT/47915

SPECIFICATIONS

- Shows voltage information when user is close to the vehicle, no need to open app;
- Check vehicle starting (cranking) system automatically when each time engine started;
- Check charging system (alternator);
- Alert mobile phone automatically if something wrong;
- Review voltage history in graph mode;
- Stored all the history data in app;
- Stored history data in hardware up to 90 days;
- Check battery voltage each 2 minutes automatically;
- Check starting voltage each 10ms when engine is starting;
- Engine starting detect automatically;
- Ultra-low power consumption, average current: 0.6mA;
- Connect with battery directly;
- Free app for iOS & Android users;
- Compatible with all 12-volt vehicle batteries;
- Each link technology, no pairing;



KEY FEATURES

- Android 4.3+, iPhone 4S+, iPad3+
- Alert user if charge is low
- Review charge history in graph mode
- Show the state of charge of battery in real time
- Check starting and charging systems
- All 12V car battery

AUTO EXACT EXPRESS TEST / CHARGE CENTER

BAT/47508

AC Voltage: 220 V ~ 240Vac 50Hz

DIAGNOSTIC CHARGING

Maximum Charge Current	50 Amp DC
Engine start	150 Amp@ 7.2V (5seconds)
Maximum Charge Voltage	16Vdc

TESTING

Application	12V Batteries / 12V START - STOP Batteries / 12V & 24V Charging/Starting System
Operation Range	200 ~ 3,000 CCA (SAE)
Rating System	SAE, DIN, EN, IEC, JIS (Battery Type No.)
Voltmeter	1.5 V ~ 30V via Battery Clamp / 1.5 V ~ 60V via Test Probe
Automated Load Test	200 Amp (Max.)
Display	Back-Lit Display, 4 Lines 16 Characters LCD
Thermal printer	Integrated
Languages	English, French, Spanish, German, Italian, Portuguese
Features	Easy-Link Communication to PC via USB Date /Time Function, Test Counter and Stores Previous 1,000 Tests OverTemperature / Current /Voltage, Reverse Polarity and Short Circuit Protection Fully Customizable Printout
Included accessories	1 Roll of Printer Paper 1 Detachable Charging /Test Lead: 6-Gauge (13.3mm ²), Approx. 8 Feet (2.5M)
Dimensions	Approx. L 330mm x W 300mm x H 200mm



BATTERY & ELECTRICAL PERFORMANCE PLATFORM WITH PRINTER

BAT/47510

Application	6V & 12V Batteries / 12V START - STOP Batteries / 12V & 24V Charging/Starting System
Operation Range	40 ~ 3,000 CCA (SAE)
Rating System	SAE, DIN, EN, IEC, JIS (Battery Type No.)
Voltmeter	1.5 V ~ 30V via Battery Clamp / 1.5 V ~ 60V via Test Probe
Display	Back-Lit Display, 4 Lines 16 Characters LCD With Adjustable Brightness
Thermal printer	Integrated
Detachable Test Lead	70 inch/180 cm
Languages	English, French, Spanish, German, Italian, Portuguese
Features	Easy-Link Communication to PC via USB Date /Time Function, Test Counter and Stores Previous 1,000 Tests Fully Customizable Printout Temperature Sensor & Temperature Compensation
Included accessories	1 Roll of Printer Paper, Detachable Test Lead 6 AA Batteries, Heavy-duty Blow Molded Plastic Case
Dimensions	Approx. L 275 x W 135 x H 80 (mm)





BATTERY ACCESSORIES

BATTERY TESTERS

2 IN 1 DIGITAL VOLTMETER & MINI TESTER FOR TESTING BATTERY / ALTERNATOR

▶ BAT/47507

- Back-lit LCD display with 4 digit readout
- Ranges: 4.5 ~ 39.99V
- OCV vs. State of Charge for Battery Tester
- Available Testing Battery Voltage: 6V, 12V & 24V
- LED indicator for Alternator test
- Reverse polarity & over voltage protection
- Cable length: 20.9 inch / 53 cm
- Dimension: L 120 x W 70 x H 18 (mm)



MOTORCYCLE & POWER SPORT BATTERY & ELECTRICAL SYSTEM ANALYZER

▶ BAT/47505



MOTORCYCLE & POWER SPORT BATTERY & ELECTRICAL SYSTEM ANALYZER WITH PRINTER

▶ BAT/47506



REFERENCE	BAT/47505	BAT/47506
Application	12V Motorcycle & PowerSport Battery 12V Charging/Starting System	
Operation Range	Battery OE Code Number & 2.3-30 AH	
Voltmeter	1.5V ~ 30V	
Display	Back-Ut Display, 2 Lines 16 Characters LCD	
Thermal printer	NA	Integrated
Test Lead	31 inch / 80 cm	
Languages	English, French, Spanish, German, Italian, Portuguese	
Included accessories	1 9V Battery	2 rolls of Printer Paper 4 AA Batteries
Dimensions	L 198 x W 114 x H 53 (mm)	L 195 x W 114 x H 50 (mm)

BATTERY & ELECTRICAL SYSTEM ANALYZER WITH PRINTER

BAT/45009

Application	6V & 12V Batteries 12V & 24V Charging/Starting System
Operation Range	40 ~ 2000 CCA (SAE)
Rating System	SAE, DIN, EN, IEC, JIS (Battery Type No.)
Voltmeter	1.5V ~ 30V
Display	Back-Lit Display, 2 Lines 16 Characters LCD
Thermal printer	Integrated
Detachable Test Lead	31 inch/800 cm
Languages	English, French, Spanish, German, Italian, Portuguese
Included accessories	Heavy-duty Blow Molded Plastic Case 2 Rolls of Printer Paper: 37 mm (W) x 7.5M (L) - 4 AA Batteries
Dimensions	Approx. L 195 x W 114 x H 50 (mm)



BATTERY & ELECTRICAL SYSTEM ANALYZER

BAT/27627

Application	6V & 12V Batteries 12V & 24V Charging/Starting System
Operation Range	40 ~ 2,000 CCA (SAE)
Rating System	SAE, DIN, EN, IEC, JIS (Battery Type No.)
Voltmeter	1.5V ~ 30V
Display	2 Lines 16 Characters LCD
Test Lead	31 inch/800 cm
Languages	English, French, Spanish, German, Italian, Portuguese
Included accessories	Heavy-duty Blow Molded Plastic Case - 19V Batteries
Dimensions	L 198 x W 114 x H 53 (mm)



BAT/48138

Replacement paper roll
57 mm (W) x 30m (L)
1 roll/bag

BAT/47509

+ Amp Clamp (measures amperage/
charging current) + Volt Test Probe
(Red test probe measures DC voltage)

BAT/47515

+ Amp Clamp (measures
amperage/charging current)
+ Volt Test Probe (Red test probe
measures DC voltage)





BATTERY ACCESSORIES

BATTERY TESTERS



100AMP BATTERY LOAD TESTER

▶ **BAT/19665**



FEATURES

- Test battery state of charge, battery cranking ability, charging system output and starter condition
- Complete test in 10 seconds

REFERENCE	BAT/19665
Application	6V & 12V Batteries 12V Charging/Starting System
Operation Range	Up to 1,000 CCA (SAE)
True Loading Capacity	100 Amp
Display	Analog Meter
Test Lead	20 inch / 50 cm

125AMP DIGITAL BATTERY LOAD TESTER/ CHARGING SYSTEM ANALYZER

▶ **BAT/26622**



FEATURES

- Automatically turns off the load after 10 sec. and holds the voltage
- Unique 3 Step design: LED polarity checking function, battery load test and charging system test readout
- Microprocessor controlled design guarantees an easy and accurate load test

REFERENCE	BAT/26622
Application	12V Batteries 12V Charging/Starting System
Operation Range	Up to 1,000 CCA (SAE)
True Loading Capacity	100 Amp
Display	3 Digital LED display
Test Lead	20 inch / 50 cm

500AMP CARBON PILE BATTERY LOAD TESTER

▶ **BAT/37281**



- Color-coded, temperature compensation pass fail bands on the voltmeter insure precise battery load test results.
- Separate voltmeter and ammeter provide easy to monitor battery load tests.
- Tests batteries up to 1,000CCA.
- Tests 12V batteries, alternators, regulators & starters.
- Built with warning beeper.
- Meets UL standards.