



## EXP-800 Battery and Electrical System Diagnostic Analyzer

### PROVEN PREVENTATIVE MAINTENANCE

#### FEATURES:

##### Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness
- Advanced preventative maintenance algorithms identify batteries as they approach end-of-life

##### Advanced Electrical System Diagnostics Featuring Digital Signal Processing

- Digital Signal Processing (DSP) creates a digitized picture of the measured alternator output voltage to analyze the amplitude level and frequency of the diode ripple pattern
- Delivers improved accuracy and the ability to identify open or shorted diodes and open phase conditions (multiple diode failure or winding problems)

##### Advanced Communications Capabilities

- Integrated printer to enhance and reinforce the selling and service process
- Data Card read/write drive for software update capability and data storage

##### Superior User Interface

- Large graphical screen
- Scroll bar capability
- Hot keys

*Building on advanced EXP technology with additional program management features, the Midtronics EXP-800 sets the standard for professional battery and electrical preventative maintenance.*



*Easy-to-use controls, compact size, and an integrated printer make the EXP-800 the ideal choice for service shops looking to increase customer satisfaction and battery revenue by making preventative maintenance a part of their value-added solutions.*



# EXP-800

## Battery and Electrical System Diagnostic Analyzer with Integrated printer

### SPECIFICATIONS:

**Model:**

- **EXP-800**  
EXP-800 Battery and Electrical System Diagnostic Analyzer with integrated printer, lead stud adapter set, 4-ft. cable set, and carrying bag
- **EXP-800L**  
Everything included with the EXP-800, except with a 10-ft. cable set

**Applications:**

- 6- and 12-volt batteries
- 12- and 24-volt charging systems

**Power Requirements:**

- (6) AA Alkaline batteries

**Battery Applications:**

- Automotive
- Marine battery
- Motorcycle
- Lawn and Garden

**Battery Chemistries:**

- Regular (flooded)
- AGM Spiral
- AGM
- Gel

Rating System	Range
CCA	100 – 3000
CA	100 – 3000
MCA	100 – 3000
JIS	By JIS number
DIN	100 – 1000
SAE	100 – 3000
IEC	100 – 1000
EN	100 – 3000

**DC Voltage**

0 - 60 V, 0.05% +/- .03 VDC

**Measured Temperature**

-20 to 200° F 1.0% +/- 5°  
(-28.8 to 93.3° C)

**Display:**

- 128 x 64 pixel graphic, backlit display

**Operating Temperature:**

- 32° F – 120° F (0° C – 49° C)

**Housing Material:**

- ABS plastic

**Dimensions:**

- 9 ½ in H x 4 in W x 2 ½ in D

**Weight:**

- 1 lb / 427 g

**Languages:**

- English
- Spanish
- French-Canadian



EXP-800

### EXP800

WILLS CAR CATTLE  
1080 W. ADDISON S  
CHICAGO, IL  
60610  
800 867-5309  
WWW.CATILLE.COM

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2:32 PM

BATTERY TEST

RESULTS	
OK REPLACE SOON	
VOLTAGE:	13.89V
MEASURED:	386 CCA
RATED:	410 CCA
TEMPERATURE:	81°F

STATE OF HEALTH

NO START TEMP: 10°F

BATTERY MAY NOT START  
VEHICLE AT OR BELOW  
THIS TEMPERATURE OR  
IN EXTREME CONDITIONS

BATTERY AGE: 81 MO.  
AVERAGE BATTERY LIFE  
IN THIS AREA 59 MO

BATTERY IS  
APPROACHING THE END  
OF ITS USEFUL LIFE.

SUGGEST REPLACEMENT

Sample Printout