

# Proven Preventative Maintenance



## EXP-800

### Battery and Electrical Diagnostic Analyzer with Integrated Printer

Building on advanced EXP technology with additional program management features, the Midtronics EXP-800 sets the standard for professional battery and electrical preventative maintenance. Features like easy-to-use controls, compact size, and an integrated printer, make the EXP-800 the ideal choice for any service shop looking to make preventative maintenance part of their value-added solutions.

#### Features:

##### New Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness
- Advanced preventative maintenance algorithms for identifying 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 for improved accuracy and identification of open or shorted diodes and open phase conditions, (multiple diode failure or winding problems)

##### Advanced Communications Capabilities

- Integrated printer to enhance and enforce the selling/service process
- Integrated data card read/write drive for simple software update capability and data storage

##### Superior User Interface

- Large graphical screen for icons and improved explanations
- Scroll bar capability means fewer overall screens
- Hot keys improve logic and flow





# EXP-800

## Battery and Electrical Diagnostic Analyzer with Integrated Printer

### Specifications:

**Model:**

- EXP-800  
Battery and electrical diagnostic analyzer with integrated printer

**Applications:**

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

**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)

**Test Leads:**

- 4 ft cable with HD dual conductor Kelvin clamps

**Housing Material:**

- ABS plastic

**Dimensions:**

- 9 ½ in H x 4 in W x 2 ½ in D

**Weight:**

- 1 lb / 427 g

**Soft-Sided Carrying Case/Toolbag****Languages:**

- English
- French-Canadian
- Spanish



EXP-800 KIT

### EXP800

WILLS CAR CATTLE  
1060 W. ADDISON S  
CHICAGO, IL  
60610  
800 867-5309  
WWW.CATILLE.COM

10/19/2007  
2:32 PM

BATTERY TEST

RESULTS	
OK REPLACE SOON	
VOLTAGE:	13.09V
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



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