BAT 151

Battery Tester

Battery and electrical system diagnostic analyzer with advanced battery and starter system testing.

Complete System for Effective Diagnostics

The BAT 151 is a versatile, reliable and easy-to-use electrical diagnostic tool for today's modern automotive service center.

Expandable Electrical Diagnostic Platform

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

Enhanced Starter Diagnostics Including Optional Amp Clamp

▶ Combines voltage drop with amps measurements to fully diagnose all parts of the the starting system

▶ Output includes current draw graph and voltage drop graph when using optional amp-clamp

Advanced Electrical System Diagnostics Featuring Digital Signal Processing

▶ Digital Signal Processing (DSP) provides the capability to digitize the measured alternator output voltage and evaluate the spectral content of the signal to provide a detailed and accurate analysis

▶ Provides the ability 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

Conductance Cable Verification Test

▶ Uses conductance technology to calculate the voltage drop across the positive (+) and negative (-) sides of any circuit and total circuit drop without running the engine

▶ Preset tests for battery ground, starter and alternator circuits, and user-defined test are available

❶ Data Transmitter
Sends the test results to an optional IR printer

❷ 6-Pin Connector
Connection for the battery test cable

❸ Accessories Port
An RJ45 connector with a release lever for accessory test cables

❹ Thermal Printer
An optional integrated thermal printer

❺ Backlit Display
128 X 64 pixel graphic backlit display

❻ LED
Lights in conjunction with beeping alarm to indicate transitions and warnings

❼ Control Panel
Keypad and power button

Essential Features

▸ Advanced battery testing

▸ Enhanced starter system testing

▸ Improved alternator diagnostics

▸ Cable drop verification testing

▸ Expandable platform — eliminate costly tool obsolescence

❽ USB Connector
This mini USB allows for future accessories

❾ DB-9 Port
This port allows for future accessories

❿ Spring-loaded SD Card Slot
Allows for test data storage and software upgrades

F00E900066	BAT 151 – Battery & Electrical System Diagnostic Analyzer
F00E900067	Optional Integrated Printer
F00E900068	Optional Amp Clamp
F00E900069	Cable Drop Cable Set
F00E900070	DMM Junction Box and Probe Set

Expandable Electrical Diagnostic Platform

Complete Multimeter with Scope Mode

▸ AC/DC volts
▸ Temperature
▸ Ohm Meter
▸ Scope
▸ Diode test
▸ AC/DC Amps
▸ Volts/Amps mode

Enhanced Communication Capabilities

▸ USB port for expansion/communication options

▸ SD card read/write allows for record keeping, data transfer and upgrades

Program Management Tools

▸ Password protected administrative mode

▸ User ID system to help drive and manage product use

▸ Enhanced counters report testing data, including lifetime use, results dispersion, battery tests vs. full system tests, and tests per user

Improved User Interface

▸ Large graphical screen, hot keys, and full alpha-numerical keypad

▸ Flexible design for mounting to a counter or cart