

# Maximize Service Efficiency

**MIDTRONICS**

## GR8-1100 Battery Diagnostic Station

Increase your service efficiency and overall customer satisfaction with the GR8-1100 from Midtronics. This all-in-one portable battery diagnostic station offers intelligent, controlled, and rapid charging combined with battery state-of-health analysis. Routine maintenance checks are performed quickly and efficiently by identifying batteries nearing the end of their useful life before they fail out on the road. The contoured rolling cart with detachable controller and optional integrated printer give you maximum flexibility for customer consultations anywhere in your shop. Increase your battery sales and customer satisfaction scores with the Midtronics GR8.

### Features:

#### Diagnostic Charging Mode

- Quickly and efficiently assess the condition of the battery

#### Power Supply Mode

- Maintains the battery state-of-charge during vehicle reflash programming and extensive service work

#### Jump-start Mode

- 250 amp automated jump-start routine

#### Manual Mode

- User-defined charging parameters

#### Maximize Service Efficiency

- Recover batteries quickly & eliminate wasted time charging bad batteries
- Quickly service every vehicle

#### Improve Customer Satisfaction

- Reduce and eliminate no-start situations
- Quickly fix battery problems

#### Increase Your Bottom Line

- Eliminate costly replacement of good batteries
- Free technicians for more profitable tasks



INNOVATION



TECHNOLOGY



QUALITY



WORLDWIDE

## Features:

Dynamic Conductance Technology combined with advanced charge control to provide fast and accurate results

### MOSFET Soft Switch Charging Technology

- Allows more precise control of charging voltage and current
- Increases overall charging efficiency (maximizes energy usage from the AC outlet)
- Provides necessary responsiveness and control for maintaining battery during service work including when control modules are being re-flashed
- Dramatically reduces heat as compared to standard SCR controlled devices and increases service life

Integrated temperature sensor improves safety and diagnostic charging capabilities

Four individual load test capabilities allow testing and charging of small and large batteries

Recovery charge mode helps recover hard to charge batteries

Top-off charging lets you trickle charge batteries when desired

Multiple diagnostic/charging algorithms including AGM/spiral batteries

Removable controller design provides flexibility and utility

- Unique design isolates key electronics away from the heat associated with battery charging
- Provides service and repair flexibility

New integrated, roll-around cart design puts the controls at the user's level

Quick connect removable cables for maximum service flexibility

### Advanced Communications

- Large back-lit graphical screen
- Full alphanumeric keypad including hot keys
- USB port
- Data card reader/writer for simple in-field upgrades and data storage
- Integrated printer (optional)



## Specifications:

### Model:

- GR8-1100

### Display:

- LCD graphics display

### Test Range:

- 100-3000 CCA
- 100-3000 CA
- 100-3000 MCA (Marine Cranking Amps)
- JIS by Number
- 100-1000 A DIN
- 100-3000 A SAE
- 100-1000 A IEC
- 100-3000 A EN

### Charging Voltage:

- Up to 17 volts, .1 resolution

### Charging Current:

- 0-60 Amps, 1 Amp resolution
- 80 Peak Amps

### Outputs:

- Amp hours put into the battery
- Time remaining to charge in minutes
- Voltage
- CCAs

### CUL Listed

### Languages:

- English
- Spanish
- French-Canadian

### Housing Material:

- Acid resistant ABS plastic

### Printer:

- Optional built-in printer
- IR port functions with existing A087 printer

### GR-8 Integrated Printer

- Field upgradeable/replaceable
- Same quality printout as external IR printer
- Unlike external IR printers, integrated printer is immune to light interference
- Thermal printout
- Integrated – no magnet, velcro or bracket needed
- Easy to use. No software change needed to enable printer – plug and play

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