

MIDTRONICS

Battery Management Innovation

GR-1 240
(c) Midtronics

Battery Test
Rating: 550A (EN)

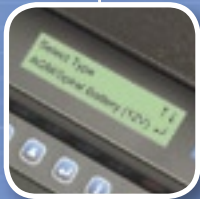
Good Battery
13.92V 575 CCA

Mode: Top-Off
Ah: 24.4
Charging Time: 0:46:00

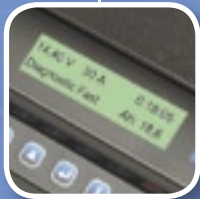
BMC Code
01S2U34GD6R760L0

GR-1 240

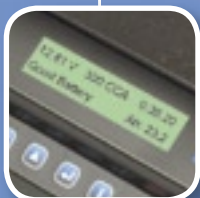
Battery Management Center



- **Charge all types of batteries**
The GR-1 is prepared for Lead-Acid (Ca-Ca), AGM, Spiral and GEL batteries



- **Diagnostic Fast Charge**
Conductance Controlled Charging



- **Clear diagnostics**
Full state-of-health diagnostics

GR-1 240

Suitable for all battery types:

The GR-1 240 is designed to check and take care of all battery types. With just one unit, you will be able to handle Lead Acid, AGM, Spiral and GEL batteries for automotive, heavy-duty, agricultural and marine applications.

Jump Starter:

When jumpstarting a vehicle, the GR-1 will first boost the battery to give it an initial charge.

After an audible sound, the operator will be able to crank the engine for 5 seconds. This procedure can be repeated if necessary.

Safe and fast:

The GR-1 automatically tests and charges fully discharged batteries in a very short period of time. The GR-1 continuously monitors for unsafe conditions, eliminating the risk of gassing and thermal runaways.

Diagnostic Fast Charger:

First you select different test criteria: battery in- or outside vehicle, clamp location, battery type and CCA rating. After these selections initial diagnostics are performed and the GR-1 makes an assessment of the battery's condition. Worn-out, shorted cells and other non-serviceable batteries are removed before the charging process starts. During charging conductance is monitored, charge acceptance is verified and non-serviceable batteries will be detected. At the end of every session, the GR-1 performs a final charge verification to ensure the battery meets or exceeds its CCA rating and the battery is ready to be used again. When the battery stays connected the GR-1 will go in a continuous Top-Off mode.

Applications:

12 volts Lead Acid, AGM, Spiral and GEL batteries for automotive, heavy-duty, agricultural and marine
24 volts heavy-duty battery sets

Standards:

EN, DIN, SAE, IEC, MCA, CA, CCA, JIS

Operating range (A):

100-2400 EN/SAE/MCA/CA/CCA
100-1500 DIN/IEC
All JIS codes pre-programmed

Hardware:

Capable of flash programming

Display:

2 lines, 24 characters LCD

Cable length:

1.80 m

Power requirements:

230 volts AC – 50 Hz / 16A

Charge modes:

12/24 Volts (conductance controlled for 12 Volts)

Charging Amps Output (manual mode):

10, 30 or 60 A

Boost/Jump Start:

250 A maximum (12 volts)

Warranty:

Midtronics standard two (2) year

Content:

Charger, manual CD and printer cable for optional printer

About Midtronics

Midtronics has over 170 employees worldwide, dedicated to battery management solutions. Since the foundation in 1984, this has resulted in portfolio of more than 150 issued and pending patents on battery testing, monitoring and charging.

The resulting technological innovation is incorporated into every Midtronics product. Midtronics' Conductance testers and diagnostic chargers are the required standard for battery warranty decisions at thousands of automotive dealers, service centers and battery retailers worldwide.

Midtronics b.v.

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