



55-6000

HAND HELD PORTABLE

BATTERY GAUGE

INSTRUCTION MANUAL



MODEL 55-6000

HAND HELD

BATTERY ENERGY GAUGE

Our BATTERY ENERGY GAUGE is designed to measure the exact amount of energy stored in your battery. It works by electrically measuring strength of the acid in your battery, much like how a hydrometer will physically measure the strength of your battery acid. With this BATTERY ENERGY GAUGE you will know at a glance how much power you can count on, and how much charging your battery may need.

This BATTERY ENERGY GAUGE can be used on any 12 volt deep cycle battery and for most automotive batteries. It will also work for batteries used in ATVs, motorcycles, lawnmowers, fish finders—really anything that has a rechargeable battery. Be sure to follow the instructions below for proper use.

OPERATING INSTRUCTIONS

1. Before taking a reading of any battery, first shut off all loads. Batteries must be tested “at rest” or the reading will not be accurate.
2. Similarly, if the battery has just been recharged, disconnect the battery from the charger and remove the surface charge in order to obtain an accurate reading. The surface charge may be removed by briefly connecting the battery to a load such as a motor, a light, or other device.
3. For the best reading, allow the battery to normalize for about 60 seconds after the load has been removed and then take the reading
4. After the battery has normalized, clip the black [negative] lead to the negative terminal of the battery. Then touch the red [positive] lead to the positive terminal of the battery.
5. The gauge displays the percent of charge remaining in the battery. A 60% reading means that 60% of the battery’s capacity is available.
6. A reading of 100% means the battery is fully charged. A reading in the “FULL” range means that the battery has a surface charge, or that it is being charged.

BATTERY CHARGING TIPS

1. Being able to easily monitor your battery’s state of charge ensures greater reliability and longer battery life. All lead acid batteries that are used for auxiliary applications should be recharged within a short time of use. If a discharged battery is left uncharged for an extended period of time [one week or more], the cells of the battery may sulfate and the storage capacity will be diminished.
2. Also, unlike Ni-Cad batteries that are used in some electronic devices, lead acid batteries do not get a “memory”, and are not harmed if they are recharged before being fully discharged. The best way to keep an auxiliary battery in top condition and extend its life is to recharge the battery frequently to keep it at a full charge.



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