

OWNER'S MANUAL

**Model: BT-250
Digital Battery Tester
For 12 Volt Batteries**



**Send Warranty Product
Repairs To:**
Customer Returns
P.O. Box 280
1025 E. Thompson Avenue
Hoopeston, IL 60942-0280

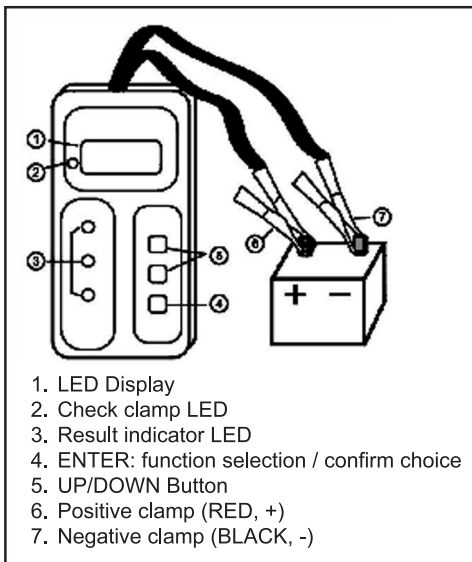
**Questions? Call Customer Service
1-800-621-5485**

WARNING: Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

TEST PROCEDURES / OPERATING INSTRUCTIONS

IMPORTANT:

1. For testing 12 volt batteries Only
2. Suggested operational range 32°(0°C) to 122°(50°C) ambient air temperature.



WARNING

1. Working in the vicinity of a lead acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of utmost importance that each time before using your tester, (if you have any doubts) you read these instructions very carefully.
2. To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Observe precautionary markings on these items.
3. Do not expose the tester to rain, snow or other forms of moisture.

PERSONAL SAFETY PRECAUTIONS

1. Someone should be within range of your voice or close enough to come to your aid when you work near a lead acid battery.
2. Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
3. Wear safety glasses and protective clothing.
4. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with cool running water for at least ten minutes and get medical attention immediately.
5. NEVER smoke or allow a spark or flame in vicinity of battery or engine.
6. Be extra cautious to reduce risk of dropping a metal tool on to the battery. It could spark or short-circuit the battery or other electrical parts and could cause an explosion.
7. Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead acid battery. It can produce a short circuit current high enough to weld a ring or similar item to metal causing a severe burn.

- Pressing "ENTER" will move to the next step.
- Press the ▲/▼ Key to input the battery capacity of CCA:

SET

 →

500

SAE: 200–1200, ENC2: 180–1280, DIN: 110–770
Press "ENTER" to begin the test.
- Test the battery for 5–7 seconds.

CAL

- When the test is complete, The display shows the actual volts and the actual CCA. (Compared to the CCA selected in step 6). One of five results will be displayed:

PASS: (Green light)

The battery is good & capable of holding a charge.

xx.xx	SAE	PASS
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PASS & RECHARGE: (Green & Yellow lights)

The battery is good but needs to be charged.

xx.xx	SAE	PASS	CHAR
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RECHARGE & RETEST: (Yellow & Red lights)

Battery is discharged. The battery condition cannot be accurately determined until it is fully charged. Recharge & retest the battery.

xx.xx	SAE	PASS	TEST
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FAIL: (Red light)

The battery will not hold a charge. It should be replaced immediately.

xx.xx	SAE	FAIL
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BAD CELL: (Red light)

The battery has at least one cell short circuit. It should be replaced immediately.

xx.xx	SAE	BAD	CELL
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LOAD ERROR:

The tested battery is larger than 1200CCA or 120AH.

ERR

Or the clamps are not connected properly.

9. Press "ENTER" return to step 4 or remove the test clamps from the battery posts after completion of testing.

** The operator is asked if any accessories are left on as a possible cause. If accessories are left on, the operator is instructed to charge and retest the battery. If accessories are not left on, the operator is instructed to replace the battery, since the charging system is working and a good battery should have accepted a charge.*

LIMITED WARRANTY

SCHUMACHER ELECTRIC CORPORATION, 801 BUSINESS CENTER DRIVE, MOUNT PROSPECT, ILLINOIS 60056-2179 MAKES THIS LIMITED WARRANTY TO THE ORIGINAL PURCHASER AT RETAIL OF THIS PRODUCT. THIS LIMITED WARRANTY IS NOT TRANSFERABLE.

Schumacher Electric Corporation warrants this battery tester for one year from date of purchase at retail against defective material or workmanship. If such should occur, the unit will be repaired or replaced at the option of the manufacturer. It is the obligation of the purchaser to forward the unit together with the original sales receipt, transportation and/or mailing charges prepaid to the manufacturer or its authorized representative.

This limited warranty is void if the product is misused, subjected to careless handling, or repaired by anyone other than the manufacturer or its authorized representative.

The manufacturer makes no warranty other than this limited warranty and expressly excludes any implied warranty including any warranty for consequential damages.

THIS IS THE ONLY EXPRESS LIMITED WARRANTY AND THE MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANYONE TO ASSUME OR MAKE ANY OTHER OBLIGATION TOWARDS THE PRODUCT OTHER THAN THIS EXPRESS LIMITED WARRANTY. THE MANUFACTURER MAKES NO WARRANTY OF MERCHANT ABILITY OR FITNESS FOR PURPOSE OF THIS PRODUCT AND EXPRESSLY EXCLUDES SUCH FROM THIS LIMITED WARRANTY.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LENGTH OF IMPLIED WARRANTY SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.