

PULSETECH PRODUCTS CORPORATION
90-Day Limited Warranty

What Does This Warranty Cover? This warranty covers any defects in workmanship or materials in the product under normal use and service.

How Long Does the Coverage Last? This warranty runs for ninety (90) days from the date of purchase.

What Will PulseTech Do? PulseTech will, at its option, repair the unit or replace the unit with a remanufactured unit at no charge.

What Does This Warranty Not Cover? This warranty applies only to the product and does not cover any other equipment, static damage, water damage, overvoltage damage, dropping of the unit or damage resulting from extraneous causes including owner misuse. The warranty is void if the owner attempts to disassemble the unit or modify the cable assembly. In addition, PulseTech will not be responsible under this warranty if PulseTech determines that (1) upon examination that the unit's failure was (A) caused by misuse, neglect, accident, alteration or abnormal condition of operating or handling (including the failure to install the product in accordance with PulseTech's instructions and observe the warnings on the product and the instruction manual) or other conditions beyond the control of PulseTech or (B) damaged in transit to PulseTech or (2) the owner is not the original purchaser that purchased the product through an authorized PulseTech dealer or distributor. **IN NO EVENT SHALL PULSETECH BE LIABLE FOR ANY DIRECT, SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR EXEMPLARY DAMAGES, EXPENSES, LOST SAVINGS OR LOST PROFITS OR ANY OTHER DAMAGES OF ANY KIND FROM ANY BREACH OF THIS WARRANTY OR OTHERWISE.** Some states, provinces or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

How to Get Service? Send the product postage prepaid with proof of purchase (sales receipt) within the warranty period to the authorized reseller where the product was purchased or PulseTech at 1100 South Kimball Ave., Southlake, TX 76092.

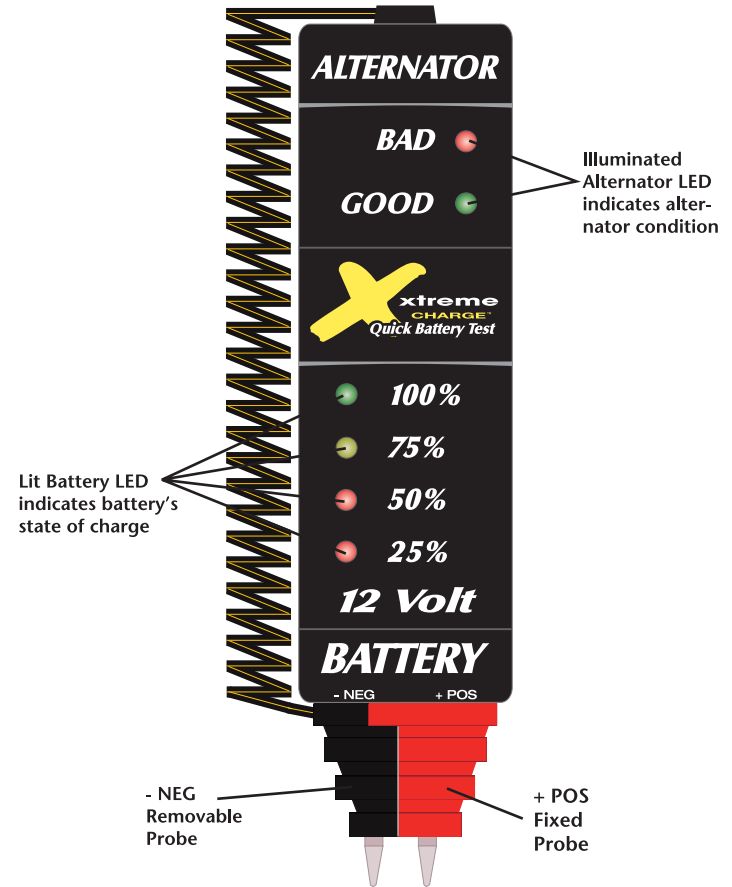
How Does State, Province or Country Law Apply? This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province or country to country.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



Instruction Manual

XC-822-TEST



Safety instructions

Working in the vicinity of a lead-acid battery is dangerous because it generates explosive gases during normal operation. To reduce the risk of battery explosion and personal harm, always follow these safety instructions and precautions:

1. Read all operating and safety instructions carefully before using the Quick Battery Test unit.
2. Wear eye protection and use caution when working around batteries.
3. Don't smoke, strike a match or cause a spark in the vicinity of the battery.
4. Keep hair, hands and clothing as well as analyzer cords and cables away from moving engine parts.
5. Inspect the battery for damages.
6. Check the electrolyte level. If it's too low, replenish the electrolyte and charge the battery fully.

Follow instructions published by battery manufacturer and manufacturers of any equipment you intend to use in the vicinity of a battery. Also review cautionary markings on products and engine.

Specifications

Tests Battery Type

12-Volt

Mechanical/Physical Characteristics

Weight:

1.5 oz.

Dimensions:

4.75" x 1" x 0.6"

Negative Probe Cable:

17.5"

Environmental

Operating Temperature:

32°F to 122°F (0°C to 50°C)

Storage Temperature:

0°F to 130°F (-18°C to 54°C)

Battery Indicators

25%, 50%, 75%, 100%

Alternator Indicators

Good, Bad

Battery testing

1. Make sure engine is off.
2. Remove the black negative (- NEG) probe from the tester (Fig. 1).
3. Touch the red positive (+ POS) probe to the positive (+) battery post.
4. Then touch the black negative (- NEG) probe to the negative (-) battery post.
5. Appropriate battery LED will indicate battery's state of charge (100%, 75%, 50% or 25%).

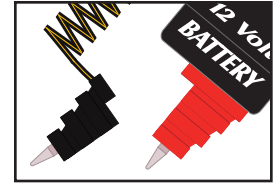


Fig. 1: NEG Removable Probe

Quick-disconnect battery testing

Insert test probes directly into two-pin quick disconnect with red positive (+ POS) probe in the female side of the connector.

For more in-depth battery testing:

1. Switch headlights on for a short period (approximately 1-2 minutes).
2. Then switch headlights off and disconnect battery from vehicle.
3. Wait 10 minutes.
4. Connect tester to battery.
5. Follow instructions above.

Alternator testing

1. With battery connected, start engine.
2. Remove the black negative (- NEG) probe from the tester (Fig. 1).
3. Touch the red positive (+ POS) probe to the positive (+) battery post.
4. Then touch the black negative (- NEG) probe to the negative (-) battery post.
5. Alternator LED will indicate alternator condition (BAD or GOOD).

Bad alternator light indicates alternator is overcharging.
No alternator light designates it is undercharging.

Always replace the black negative (- NEG) probe in tester after use.