



INSTRUCTIONS FOR BATTERY & ALTERNATOR TESTER Model No: AK4001

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



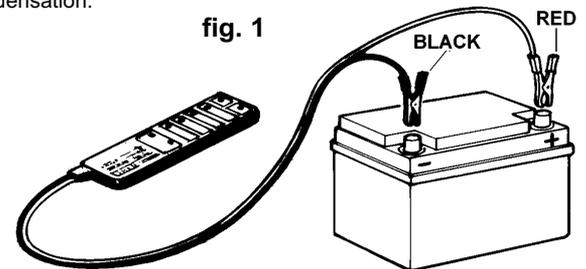
IMPORTANT

PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE, OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY.

The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

1. SAFETY INSTRUCTIONS

- ✓ Observe standard workshop safety procedures when using the Battery & Alternator Tester.
- ▲ **DANGER!** - Beware, lead-acid batteries generate explosive gases during normal battery operation. For this reason, it is very important to read and follow these instructions carefully before using the tester.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting. Keep tools and other items away from the engine, and ensure you can see the battery and working parts of engine clearly.
- ✓ If the battery terminals are corroded or dirty, clean them before attaching the tester clips.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non slip shoes.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery. Contain, or tie back, long hair.
- ✓ Keep children and unauthorised persons away from the working area.
- ☐ **WARNING!** DO NOT use tester where there are flammable gases or liquids (especially petrol and diesel). Battery gases are dangerous and can explode when exposed to sparks.
- ☐ **WARNING!** DO NOT use tester on any vehicles other than those with 12 or 24 Volt DC systems.
- ✗ DO NOT dis-assemble tester. The tester must be checked by qualified service personnel only .
- ✗ DO NOT get tester wet or use in damp or wet locations or areas where there is condensation.
- ✗ DO NOT use the tester for any purpose other than for which it is designed.
- ✗ DO NOT pull the cables or clips from the battery terminals.
- ✗ DO NOT operate the tester if damaged.
- ✓ When not in use store tester in a safe, dry, childproof location.



2. INTRODUCTION

The Battery & Alternator Tester provides a simple and reliable method of determining vehicle battery charge and alternator output levels. The tester has no internal battery, being powered from the system under test, and is suitable for both 12 and 24 volt systems since it has automatic voltage range switching. Magnetic back for 'hands free' use.

3. OPERATION

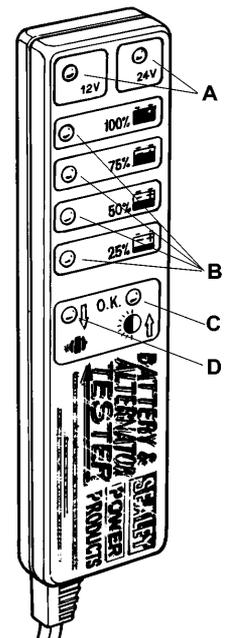
3.1 Battery testing

- 3.1.1 Battery test is carried out with the engine and all other electrical items switched off. However, if the engine has been running just prior to testing, switch on parking lights for two minutes, switch off lights and wait for one minute, then commence test.
- 3.1.2 Connect the positive (+) clip, red grips and red/black cable, to positive battery terminal and the negative (-) clip, black grips and black cable, to negative battery terminal. See fig.1.
- 3.1.3 See fig.2 - LED display indicates: 'A' - nominal battery voltage (12V or 24V) and 'B' - % charge level - if no LEDs 'B' illuminate then charge level is very low.

3.2 Alternator testing

- 3.2.1 Alternator test is carried out with the engine running at approx. 2000 rpm.
- 3.2.2 Connect tester as in para. 3.1.2
- 3.2.3 See fig.2 - LED display indicates 'A' - nominal voltage and 'C' - steady illumination- alternator output normal, or 'C' - flashing - alternator output high, or 'D' - alternator output low.

fig. 2



NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of product. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



Sole UK Distributor
Sealey Group,
Bury St. Edmunds, Suffolk.



01284 757500



01284 703534

E-mail: sales@sealey.co.uk