



3-60V INTEGRATED TEST LIGHT/VOLTMETER

MODEL NO: **AK4013**

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 & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection

1. SAFETY

- ❑ **WARNING! DO NOT** use test light with domestic 110-230Volt supplies. Only use with DC Voltages between 3 and 60Volts.
- ✓ Observe standard workshop safety procedures when using the meter.
- ✓ 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 working parts of the engine clearly.
- ✓ 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.
- ✓ Ensure extension leads and probes are kept clear of hot surfaces and rotating parts.
- * **DO NOT** drape cables around neck or arms – danger of entanglement.
- * **DO NOT** disassemble meter.
- * **DO NOT** get test light wet or use in damp or wet locations or areas where there is condensation.
- * **DO NOT** use the meter for any purpose other than for which it is designed.
- * **DO NOT** use the meter if damaged.
- ✓ When not in use, store tester in a safe, dry, childproof location.

2. INTRODUCTION

Identifies the polarity of the circuit being tested on the LCD, red for positive and green for negative. Wire hook probe design, makes piecing wire insulation easier, the hook can be locked out of the way when probing terminals. LCD meter draws minute currents making this tool safe around delicate electronic components. With a range of 3-60V DC, this tool is suitable for motorcycle, car, hybrid and commercial vehicles. Supplied with 3m coiled cable and insulated crocodile earth clamp. Do not use airbags. Battery 1 x CR2032 (supplied).

3. SPECIFICATION

Model No.: AK4013
 Accuracy: ±(1%+0.3V)
 Computer Safe: Testing current < 10mA
 Range: 03-60V DC

4. OPERATION



- 4.1. To use the meter; connect the earth clip to a source of ground such as a ground wire, vehicle frame or the negative terminal of the battery.
- 4.2. Connect to the wire, socket etc. under test; the backlight on the LCD display will light and the voltmeter will display any voltage present.
- 4.3. If no voltage is present, confirm that the earth clip has a good ground connection.
- 4.4. If the meter still does not operate, check the lamp on a known good source such as a battery.

- 4.5. Having confirmed the meter is working correctly; test the wire, socket etc. again. If you still have no reading, the wire is dead. Consult the vehicle handbook for fuse positions and check if the fuse has blown. If the fuse has blown, first establish the reason for the fuse blowing before replacing with the same fuse type.
- 4.6. If the fuse is good, then work back along the test wire, socket etc. towards the fuse until you find a point where it is live. This way you can narrow down where the open circuit, break or bad connection is.
- NOTE:** You may use the probe to pierce the wire's insulation to allow you to test closer to the open circuit, break or bad connection.

5. MAINTENANCE

- 5.1. To replace the battery, unscrew the earth clip cap from the tester's body.
- 5.2. Carefully remove the PCB from the tester and slide the battery out from under the spring clip. Replace the battery with the correct replacement and re-assemble the tester.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



BATTERY REMOVAL

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd Batteries Producer Registration Number (BPRN) is BPRN00705.

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 this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.



REGISTER YOUR PURCHASE HERE

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