

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 AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

1.1 GENERAL SAFETY.

- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Ensure the work area has adequate lighting.
- ✗ **DO NOT** use the tester to perform a task for which it is not designed.
- ✗ **DO NOT** allow untrained persons to use the tester.
- ✗ **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✓ After use, clean equipment and store in a cool, dry, childproof area.

1.2 SAFETY REGARDING BRAKE FLUID.

- ✓ Always read and comply with the warnings on the brake fluid manufacturer's container.
- ✓ Wear eye protection and keep skin contact to a minimum. If brake fluid enters eyes rinse with plenty of water and seek medical advice. If swallowed seek medical advice immediately.
- ✓ Dispose of waste brake fluid in accordance with local authority regulations.
- WARNING!** Brake fluid will damage paintwork. Any spillage should be flushed with water immediately.
- WARNING!** Brake fluid is flammable - keep away from sources of ignition, including hot surfaces e.g. exhaust manifold.

2. INTRODUCTION & SPECIFICATION

The VS0271 utilises the approved method of testing the water content of brake fluid. A moisture content of just 3% can lower the brake fluid boiling point by over 100°C. The best way to detect this small water content is to measure the boiling point of the fluid. The unit incorporates a heater element, an LCD display and a power lead for use on 12Volt DC power supplies and comes in its own carry case. The unit works on DOT 3, 4 and 5.1 specification fluids.

3. OPERATION

3.01 BRAKE FLUID TESTING PROCEDURE.

- WARNING!** *The unit should only be switched on when the probe tip is fully immersed in brake fluid otherwise the heating element may be damaged and your warranty invalidated.*
PLEASE REFER TO THE ILLUSTRATED CARD WHEN READING THESE INSTRUCTIONS.
- 3.02 **NOTE.** The probe must be inserted into the brake fluid to a minimum depth of 25mm in order to cover the hole on the side of the probe tip which allows the free flow of the fluid around the heating element inside. If the design of the vehicle's master cylinder does not allow the probe to be inserted to a minimum depth of 25mm then some fluid must be drawn out of the master cylinder using the plastic pipette and placed into the small plastic container provided so that the probe tip can be fully immersed. In either case the unit should not be switched on until the probe is fully covered.
- 3.03 Wear gloves and eye protection during the test procedure and have a cloth or absorbent paper available to remove excess brake fluid from the probe tip.

- 3.04 Remove the cap from the vehicle's master cylinder reservoir and ensure that the battery terminals are clean and accessible for connection when required.
- 3.05 Uncoil the cable from the unit and remove the protective cap from the probe tip (1).
- 3.06 Connect the cable clamps to the battery ensuring correct polarity (2). (Red clamp to the positive + terminal and the black clamp to the negative - terminal.)
- 3.07 Immerse the probe tip into the brake fluid to the required depth of 25mm. To get an accurate reading the control switch should be held on for 30 seconds (3). At the end of this period release the switch, observe the temperature readout and refer to the chart below.

Temperature range	230°C	↔	200°C	↔	180°C	↔	155°C
FLUID CONDITION	GOOD		POOR		UNSAFE		
FLUID RENEWAL	Not necessary		Recommended		IMMEDIATE		

- 3.08 Lift the probe up from the brake fluid reservoir and allow the fluid contained within the tip to drain back into the reservoir (4). Before moving the tester away from the reservoir wipe excess fluid from the tip to avoid dripping brake fluid onto any paintwork (5).
- 3.09 Replace the protective cap onto the probe tip and recoil the cable around the unit (6). Replace the unit into the carry case together with any accessories and store safely.

4. WARRANTY INFORMATION

Sealey Power Products warrants this product to be free from defects in material and workmanship under normal use and service for a period of one year from date of purchase, except as hereinafter provided. In the event of a dispute regarding warranty, Sealey Power Products would require proof of purchase displaying the purchase date, customer name, product description and serial number of the unit. This warranty extends only to the original purchase (a purchase from Sealey Power Products' licensed distributors is an original purchase). This warranty shall not apply to fuses or batteries. Factory calibration is warranted for a period of one year. The warranty shall not apply to any product that has been subject to misuse, neglect, accident or abnormal renditions of operation or storage. Should Sealey Power Products be unable to repair or replace the product within a reasonable amount of time, purchaser's exclusive remedy shall be a refund of the purchase price upon return of the product.

In the event of failure of a product covered by this warranty. Sealey Power Products will repair the instrument when it is returned by the purchaser, at the purchaser's cost to Sealey Power Products within the applicable warranty period, provided Sealey Power Products' examination discloses to its satisfaction that the product was defective. Sealey Power Products may, as its option, replace the product in lieu of repair. With regard to any instrument returned within the applicable warranty period, repairs or replacement will be made without charge and with return freight paid by Sealey Power Products. If the failure was caused by misuse, neglect, accident, abnormal conditions of operation or storage, repairs and return carriage charges will be billed at a reasonable cost. If purchaser tampers with the product or attempts to carry out a repair themselves, the warranty will be void.

The foregoing warranty is in lieu of all other warranties, expressed or implied, including but not limited to any implied warranty of merchantability, fitness or adequacy for any particular purpose or use. Sealey Power Products shall not be liable for any special, incidental, or consequential damages, whether in contract, tort or otherwise.

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 will be required for any claim.

INFORMATION: For a copy of our catalogue and promotions call 01284 757525 and leave your full name and address, including postcode.

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