



# REFRACTOMETER ANTIFREEZE/BATTERY FLUID/SCREENWASH

MODEL No: **VS005.V5**

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 instruction manual



Wear eye protection



Wear protective gloves

- WARNING!** When testing fluids, especially battery acid, ensure that none comes into contact with your eyes or skin since serious injury could result. Wear protective gloves and clothes. Ensure that all general workshop safety rules are applied when working with vehicle batteries.

The tester incorporates a display, subdivided into four scales (fig.1), from which to check the following fluids:

## 1. ANTI-FREEZE TEST

To test coolants refer to scale A (fig.1).

For Propylene Glycol read the left side of scale A.

For Ethylene, OAT and G13 read the right side. For windscreen washer fluid refer to scale B, left side ethanol, right side isopropyl alcohol.

**Note:** Variations in formulation of windscreen washer fluids may result in an average value for a variety of alcohol based anti-freeze mixtures, this test is therefore a guideline only.

## 2. BATTERY ACID TEST

To test battery acid refer to scale "C" which indicates the density of the acid in kg per litre and the ranges for Recharge, Fair and Good.

## 3. TEST PROCEDURE (Refer to fig.2)

- Check that the prism (2) and lid (1) are clean.
- Open lid, hold tester so that prism surface is level and with pipette supplied (4), place a drop of the fluid onto the prism (2).
- Close the lid (1), to disperse the fluid.
- Turn eyepiece (3) so that the display is correctly focused.
- Read off the value, on the appropriate scale, indicated by the pronounced LIGHT-DARK dividing line.

On completion of each test carefully clean the prism with a lint-free dry cloth.

## 4. MAINTENANCE

- Keep unit clean. Protect eye lens, display lid and prism to prevent scratching.
- To test instrument accuracy, place distilled water on the prism and check that the LIGHT-DARK dividing line is level with the "WATERLINE". If the reading is incorrect remove the black rubber cover from the calibration point (6). Insert the small screwdriver supplied into the hole in the calibration point. Turn the screwdriver whilst looking through the eyepiece until the waterline mark is on the light-dark dividing line.

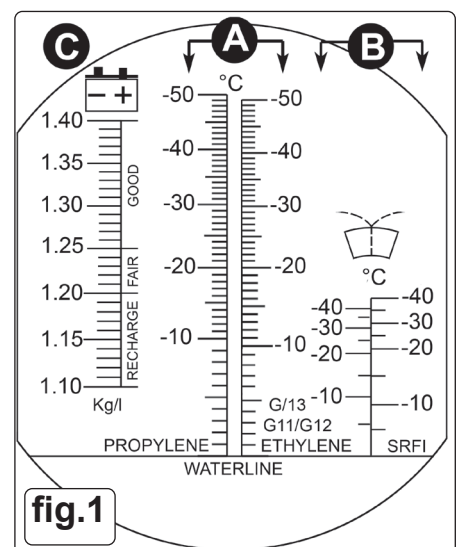
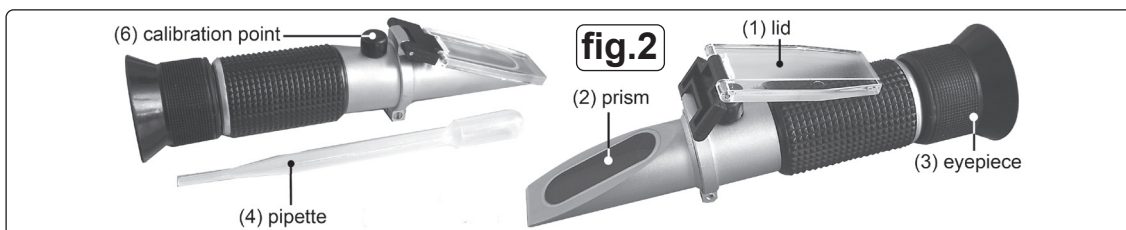


fig.1



## 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.



**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.

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