INSTRUCTIONS FOR

FUSE CURRENT TESTER

MODEL NO: **TA113**

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

Warning: Risk of explosion

1. SAFETY

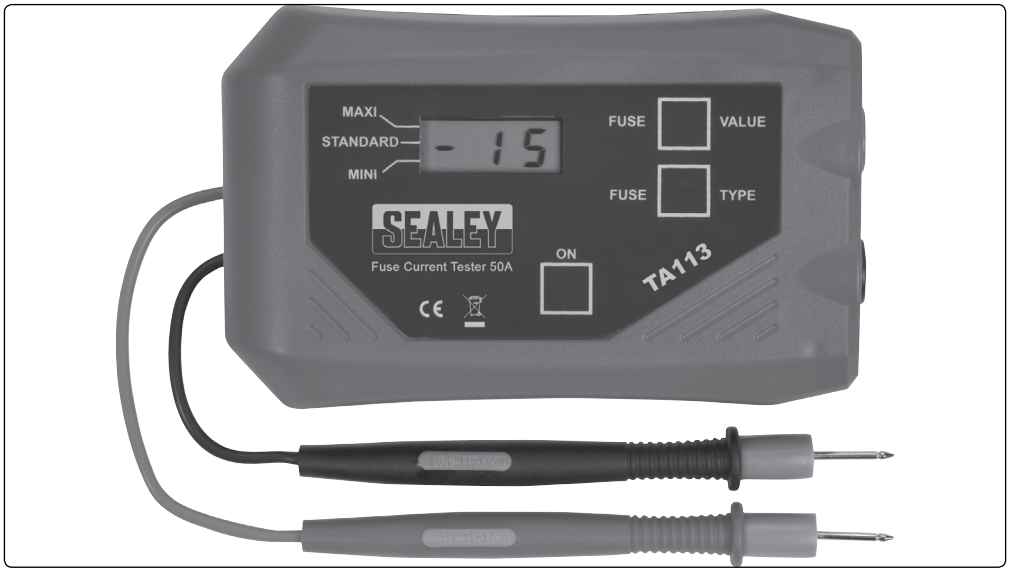
- ❑ **WARNING!** The warnings, cautions and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
- ✓ Wear eye protection. A full range of Personal Protective Equipment is available from your Sealey Dealer.
- ✓ For use on 6V, 12V and 24V systems only.
- × **DO NOT** attempt to use in the presence of flammable gasses, use of the tester may cause sparks, which could cause an explosion.
- × **DO NOT** use the tester with wet hands, indoor use only.
- × **DO NOT** make any modification to the tester.
- ✓ Keep hands and fingers behind the barriers on the probes during measurements.
- ✓ Observe standard workshop safety procedures when 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 fuses and working parts of 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.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ When not in use store in a safe, dry, childproof location.

2. INTRODUCTION

The next level of simplicity in hand-held automotive current measuring tools. Revolutionary new methods now makes it possible to determine the amount of current in a fused circuit, without removing the fuse. Troubleshoots parasitic drain problems and identifies active/inactive circuits via the fuse box. Suitable for 6, 12, and 24v systems. Powered by 3 x AA batteries (supplied).

3. SPECIFICATION

Model no: TA113
Maximum current: 50A
Current range: 5mA-50A
Maximum voltage: 24V
Accuracy: ..... ±5%



Original Language Version

4. CONTROL PANEL FUNCTIONS

4.1. ON BUTTON

To turn the unit ON, press ON button until 3 bars are displayed on the screen.

4.2. **FUSE VALUE**

Press and release this button to scroll through the fuse amperage options.

4.3. **FUSE TYPE**

Press and release the button to scroll through the fuse types (Mini, Std, Maxi).

4.4. **ACCEPT FUSE DATA ENTRY**

Press and hold either the FUSE VALUE or FUSE TYPE until the unit beeps twice and the display is blank.

4.5. **POWER UNIT OFF**

Press and hold BOTH FUSE VALUE and FUSE TYPE until the unit beeps and turns off. The unit will turn itself off after 10 minutes of inactivity.

5. OPERATION

5.1. Insert test leads into the banana jacks on the side of the tester.

5.2. **FIT/REPLACE BATTERIES**

5.2.1. Carefully remove the 4 screws from the back cover of the tool.

5.2.2. Remove the 3 batteries from the battery holder.

5.2.3. Replace batteries with 3 fresh alkaline AA batteries. Be careful to insert the batteries correctly in the holder using the proper polarity.

5.2.4. Replace the rear cover and 4 screws being careful not to over tighten the screws.

5.3. **PARASITIC DRAW TEST**

5.3.1. This test will locate circuits that are flowing current when the vehicle is turned off.
Note: It is normal for some vehicle modules to continue to draw current for 20 minutes after the vehicle is turned off before the module shuts down.

5.3.2. Some vehicles will power up modules if the key FOB is within 20 feet of the vehicle. Store the key FOB well away from the vehicle when performing a parasitic test.

5.3.3. Turn the unit ON

5.3.4. Touch the probes to the terminals of each fuse in the fuse panel until you find those that are flowing current.

5.3.5. An inactive circuit (no current flow) will beep continuously and display (0 0 0).

5.3.6. An active circuit (current is flowing) will beep 3 times and display an approximate amperage value.

5.3.7. An open or blown fuse will not beep and will display (- - -).

5.3.8. Use the AMPERAGE MEASUREMENT MODE to accurately read the amperage in the active circuit.

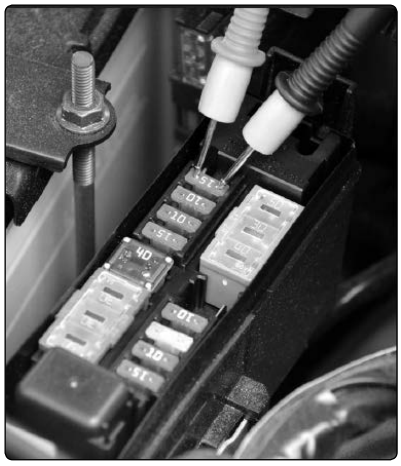
5.3.9. Compare actual amperage reading to vehicle specifications.

5.4. **AMPERAGE MEASUREMENT**

5.4.1. Note the size and amperage value of the fuse in the circuit to be measured.

5.4.2. Refer to vehicle specifications to verify that this fuse is the correct size and amperage value for the circuit.

5.4.3. Use the FUSE TYPE button to scroll to the type of fuse (Mini, Std, or Maxi).

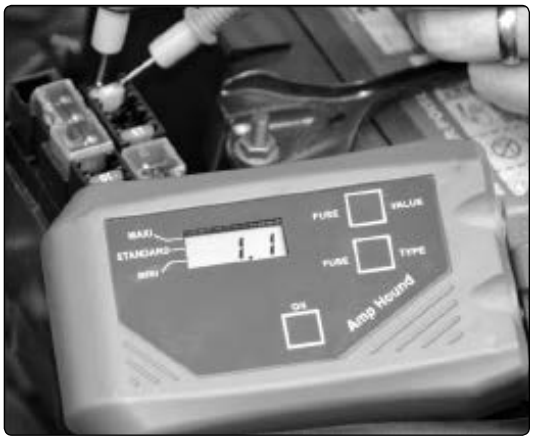


5.4.4. Use the FUSE VALUE button to scroll to the amperage value of the fuse.

5.4.5. If the tester does not list your exact “Fuse Value”, Simply enter the value closest to the fuse you are measuring. The accuracy in this case won’t be quite as good but it will be more than sufficient for most troubleshooting operations.

5.4.6. To accept these settings, press and hold either the FUSE TYPE or FUSE VALUE button until the tool beeps twice and the display is blank.

5.4.7. Touch the probe tips to the fuse terminals and read the amperage value on the display.



5.4.8. The display will alternate between the actual current reading and the fuse values that were selected. This helps to ensure that the fuse values that were selected match the actual fuse being tested.

5.4.9. A display reading of “OL” means that the circuit amperage is greater than the tester’s rated capacity.

Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the 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

See 5.2 above. 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’s 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 will be required for any claim.

SEALEY
Sole UK Distributor, Sealey Group.
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk.
IP32 7AR
01284 757500
01284 703534
Web www.sealey.co.uk
email sales@sealey.co.uk