

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. PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

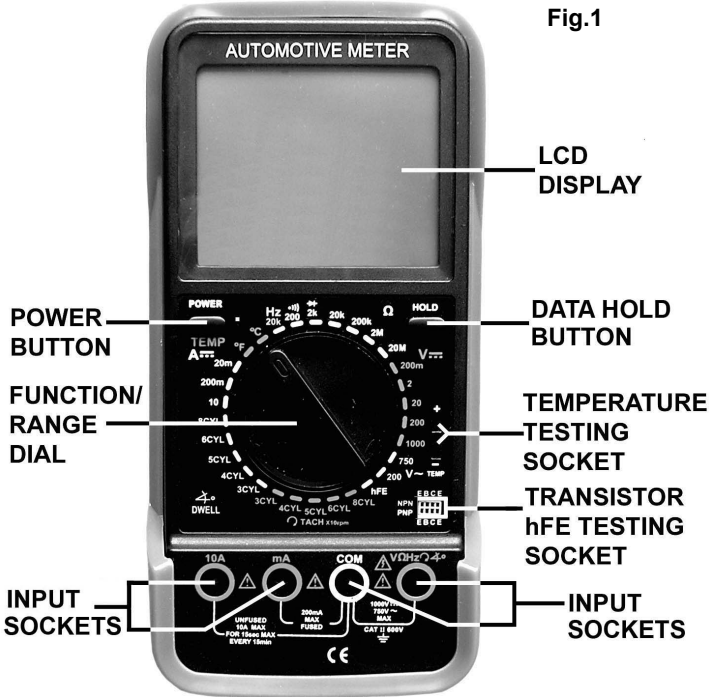
1. SAFETY INSTRUCTIONS

- 1.1. PERSONAL PRECAUTIONS**
- ✓ When using the analyser, please observe all normal safety rules concerning:
 - Protection against the dangers of electric current.
 - Protection of the analyser against misuse.
 - ✓ Full compliance with safety standards can only be guaranteed if used with the test leads supplied. If necessary, these must be replaced with genuine Sealey leads with the same electronic ratings. Failure to do so will invalidate the warranty.
 - ✗ **DO NOT** use leads if damaged or if the wire is bared in any way.
- 1.2. GENERAL SAFETY INSTRUCTIONS**
- ✓ Familiarise yourself with the application and limitations of the analyser as well as the potential hazards. *IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN.*
 - ✓ When the analyser is linked to a measurement circuit, do not touch unused analyser terminals.
 - ✓ When the scale of the value to be measured is unknown set the selector to the highest range available.
 - ✓ Before rotating the function dial to change functions, disconnect test leads from the circuit under test.
 - ❑ **WARNING!** *Never perform resistance measurements on live circuits.* Only measure on disconnected circuits.
 - ✓ Use caution when working with voltages above 60V DC or 30V AC. Keep fingers behind the probe barriers whilst measuring.
 - ✓ When not in use, store the analyser carefully in a safe, dry, childproof location. Storage temperature range -10°C to 50°C.
 - ✓ Never apply voltage or current to the analyser that exceeds the specified maximum.
 - ❑ **WARNING!** Do not make current measurements on the 10A scale for longer than 15 seconds in every 15 minutes. Exceeding 15 seconds may cause damage to the analyser and test leads.

2. INTRODUCTION

Large, hi-contrast LCD display with 34mm high digital read-out. Durable bi-composite case and integral stand, suitable for the toughest workshop conditions. Test Lead Connection feature indicates correct hook-up. Includes over-ranging, auto-zeroing, data hold, auto power-off and low battery display functions. Supplied with capped test probes and K-type thermocouple.

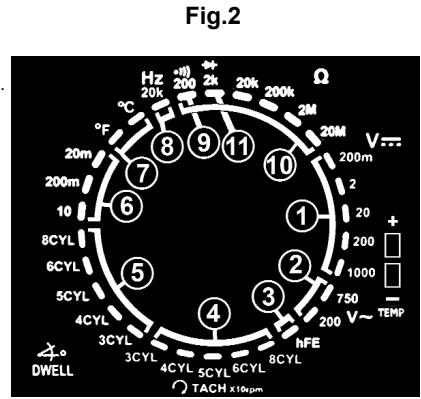
Functions		
Function	Test Range	Connections
AC Voltage	200V - 750V	$V \Omega Hz \Omega \text{ } \text{ } \text{ } + \text{COM}$
DC Voltage	200mV - 1000V	
Resistance	200 Ω - 20M Ω	
Diode Test	Typically 1mA	
Continuity Test	<30 Ohms	
Frequency	20kHz	
Dwell Angle	3cyl 120° - 8cyl 45°	
Tachometer	180 - 1000rpm	$\text{mA or } 10\text{A} + \text{COM}$
DC Current	20mA - 10A	
Temperature	-20°C to 750°C -4°F to 1382°F	Temp. sockets & thermocouple
Transistor Test (hFE)	Vce=3V, Ib=10 μ A	Transistor socket



- Maximum Display:** 1999 counts - (3 1/2 digits) LCD display with automatic polarity indication.
- Measurement Rate:** 2-3 times per second.
- Measuring Method:** Dual-slope integration A/D converter system.
- Over Range Indication:** Figure "1" displayed on the LCD.
- Low Battery Indication:** The symbol is displayed when the battery voltage drops below the operating level.
- Auto-Power-Off:** Meter automatically shuts down after approx. 15 minutes of inactivity.
- Operating Environment:** 0°C to 40°C (32°F to 104°F) at <75% relative humidity.
- Storage Environment:** -10°C to 50°C (14°F to 122°F) at <75% relative humidity.
- Power:** Single standard 9 Volt battery (PP9).
- Fuse:** 250mA/250V.
- Dimensions:** 200 x 97 x 48 mm.
- Weight Approx:** 495g including battery and holster.

Function Guide (Fig.2)

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. DC Voltage 2. AC Voltage 3. Transistor Check 4. Tachometer 5. Dwell Angle 6. DC Current | <ul style="list-style-type: none"> 7. Temperature 8. Frequency 9. Audible Continuity Check 10. Resistance 11. Diode check |
|---|--|



5. MAINTENANCE

- ☐ **WARNING! DO NOT** attempt to repair or service the analyser unless qualified to do so and have the relevant calibration, performance test, and service information to hand. To avoid electrical shock or damage to the analyser do not get water inside the case.
- 5.1. Periodically wipe the case with a damp cloth and mild detergent. Do not use solvents.
- 5.2. Turn the analyser off when not in use and remove the battery if stored for a long period of time.
- 5.3. Do not store the analyser in a place of high humidity or high temperature.

6. PARTS LIST

Item	Description	Parts
1	TA101.01	TEST LEADS
2	TA101.02	9V BATTERY
3	TA101.03	THERMOCOUPLE 'K' TYPE

Environmental Protection.



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.



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.

WARNING: Do not dispose of by fire. This could result in an explosion. Before disposing of battery, cover exposed terminals with heavy duty electrical tape to prevent shorting.

DO NOT expose battery to intense heat or fire as this could cause an explosion.

7. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole UK importer, declare that the product listed below is in conformity with the following standards and directives.

11 Function Digital Automotive Analyser Model: TA102

89/336/EEC EMC Directive
79/23/EEC Low Voltage Directive
2002/95/EC RoHS Directive
2002/96/EC WEEE Directive
93/68/EEC CE Marking Directive



The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Tim Thompson

1st March 2007

For Jack Sealey Ltd. Sole UK importer of Sealey Professional Tools.

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 equipment.

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

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



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