

Note: RPM4: For RPM of 4-stroke engines which have 1 ignition on every 4 engine strokes.
RPM2: For RPM of DIS (Distributor-less Ignition System) and 2 -stroke engines which have 1 ignition on every two strokes.

4.12. Dwell Angle Measurement

Dwell angle is the number of degrees through which the distributor cam rotates while the breaker points are closed.

- 4.12.1. Insert the black test lead into the negative "COM" jack and the red test lead into the positive + jack.
- 4.12.2. Turn the rotary switch to the corresponding position of 4CYL, 5CYL, 6CYL, 8CYL on the dwell range.
- 4.12.3. Set number of cylinders with the CYL button (fig.1.9.).
- 4.12.4. Connect the black test lead to the Ground terminal (-) on the car battery and the red test lead to the contact breaker points or the negative (-) terminal of the ignition coil.
- 4.12.5. When the engine is started the Dwell will be displayed.
Note: To reduce the dwell angle reading the points gap must be increased, to increase the dwell angle the points gap must be reduced. Refer to your owners handbook for detailed procedures for dwell settings and adjustments.

4.13. Other Functions

- 4.13.1. Your meter is also capable of testing the following automotive sensors.
Oxygen Sensors
Fuel Injectors
Temp Sensors
Position Sensors
absolute pressure (MAP) and Baro Sensors
Mass Air Flow (MAF) Sensors
- 4.13.2. For a detailed description and testing procedure for these sensors, please refer to the vehicles hand book.

4.14. Replacing The Battery

- WARNING! To avoid electric shock, disconnect the test leads from any source of voltage before removing the battery door.**
- 4.14.1. When the battery become exhausted or drops below the operating voltage, "BAT" will be appear in the right hand side of the display. Replace the battery.
- 4.14.2. Disconnect the leads from the meter.
- 4.14.3. Open the battery door by loosening the screw using a Philips head screw driver.
- 4.14.4. Remove the old battery and insert the new one, observing the correct polarity.
- 4.14.5. Replace the battery cover and secure with the two screws.

WARNING! To avoid electric shock, DO NOT operate the meter until the battery cover is secured in place.

4.15. Replacing the fuses

- WARNING! To avoid electric shock, disconnect the test leads from any source of voltage before accessing the fuses.**
- 4.15.1. Disconnect the test leads from any item under test and disconnect them from the meter.
- 4.15.2. Remove the 5 screws on the rear of the meter and gently pull the two halves of the meter apart.
- 4.15.3. Remove the old fuse from its holder by gently pulling it out.
- 4.15.4. Install the new fuse into its holder.
Note: Always use a fuse of the correct size and value.
0.5A/250V fast blow for the 400mA range.
20A/250V fast blow for the 10A range.
- 4.14.5. Put the two halves of the meter back together and secure with the 5 screws.

WARNING! To avoid electric shock, DO NOT use the meter until it has been fully re-assembled.

5. MAINTENANCE

- WARNING! DO NOT** attempt to repair or service your meter unless you are qualified to do so and have the relevant calibration, performance test, and service information. To avoid electrical shock or damage to the meter 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 meter off when not in use and remove the battery if stored for a long period of time.
- 5.3. Do not store the meter in a place of high humidity or high temperature

6. PARTS

Item	Description	Parts
1	TA202.01	TEMPERATURE PROBE
2	TA202.02	TEST LEADS

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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.

**DIGITAL Automotive Analyser - 14 Function With IC
Model: TA202**

89/336/EEC EMC 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 Mark Sweetman

22nd April 2004

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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