



**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.

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

DIGITAL CLAMP-ON TACHOMETER

**Model: TA100**

2002/96/EC WEEE Directive  
93/68/EEC CE Marking Directive



Signed by Tim Thompson

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.

1st June 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 product.

**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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INSTRUCTIONS FOR:  
**MODEL: TA100**  
DIGITAL CLAMP-ON TACHOMETER

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 OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

**1. SAFETY INSTRUCTIONS**

**1.1. GENERAL SAFETY**

- ✓ When using TA100, please observe all normal safety rules concerning:  
Protection against the dangers of electric shock.  
Protection of TA100 against misuse.
- ✓ Familiarise yourself with the applications, limitations and hazards of the TA100.  
*IF IN ANY DOUBT CONSULT A QUALIFIED AUTO ELECTRICIAN.*
- ✓ When not in use, store carefully in a safe, dry, childproof location.  
Storage temperature range -10°C to 50°C.

**WARNING! Potential Shock Hazard:**  
HT leads produce high voltages. If the leads appear worn or cracked; replace them. Avoid inadvertently touching the leads. Turn engine off before connecting or removing the inductive pickup.

**WARNING!**  
The warnings, cautions and instructions discussed in this instruction 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.



## 2. SPECIFICATION

No wires, no cables and no fragile antennae - simply clamps around HT lead. Ideal for setting engine idle speed. Shows engine speed on large LCD display. Includes hold function. Reads RPM on DIS/2-stroke and 4-stroke engines. Powered by 9V cell (not included).

4-Stroke: .....600–12000rpm.

DIS/2-Stroke: .....300–6000rpm.

Jaw Opening: .....16mm.

Battery: .....1 x 9V.

Ranges (RPM4): .....600-2000, 2000-12000(x10RPM).

Ranges (RPM2/DIS): .....300-2000, 2000-6000(x10RPM).

Resolution: .....1RPM.

Effect Reading: .....>600RPM for RPM4, >300RPM for RPM2/DIS.

Accuracy: .....± 2.0% + 5.

Display: .....1999 counts LCD with battery indication.

Overrange Indication: ..... '1' shown on display.

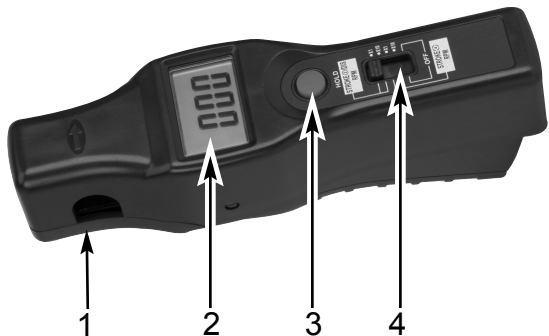
Low Battery Indication: .....  shown on display.

Measurement Rate: .....2.5 times per second nominal.

Storage Temperature: .....-10°C - 50°C at <80%RH.

Power: .....Single 9V battery.

## 3. DESCRIPTION



1. Inductive pickup. RPM measurement for automotive engines up to 8 cylinders.
2. LCD display.
3. Data hold.
  - a. Press data hold once to hold the current reading.
  - b. Press the data hold again to exit and resume reading.
4. Power/function/range switch. Turns power on or off and selects measurement function and range.

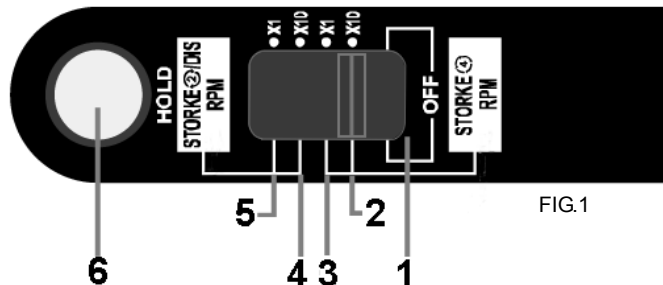


FIG.1

### SWITCH POSITIONS (FIG.1).

1. 'OFF'
2. x10 (Stroke (4) RPM): For RPM of 4-stroke engines which have 1 ignition on every 2 revolutions.
3. x1 (Stroke (4) RPM): For RPM of 4-stroke engines which have 1 ignition on every 2 revolutions.
4. x10 (Stroke (2) RPM): For RPM of DIS (Distributor-less Ignition System) and 2-stroke engines which have 1 ignition on every 1 revolution.
5. x1 (Stroke (2) RPM): For RPM of DIS (Distributor-less Ignition System) and 2-stroke engines which have 1 ignition on every 1 revolution.
6. 'HOLD' button.

## 4. OPERATION


- 4.1. Select a suitable RPM range with the function switch (see switch positions above).

### **WARNING! Potential Shock Hazard:**

*HT leads produce high voltages. If the leads appear worn or cracked; replace them. Avoid inadvertently touching the leads. Turn engine off before connecting or removing the inductive pickup.*

- 4.2. Clamp the inductive pickup over a spark plug HT lead and start the vehicle. If no reading is observed, stop the vehicle, unhook the clamp, turn it over and connect again. Re-start the vehicle and check reading.

Note: Position the pickup to within six inches of the spark plug or move it to another plug HT lead if no reading or an erratic reading is obtained.

- 4.3. If the  symbol appears, the battery should be replaced. Remove the screw on the battery cover. Replace the battery and reinstall the battery cover and screw.

