INSTRUCTIONS FOR

Automotive Tachometer

Stock No.79005 Part No.DMM18

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.

CE

04/2005

GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

CONTENTS

Contents/Declaration 1
Specification 2
Guarantee 3
Getting to Know Your Tachometer 4
Operation and Use 5
Maintenance 5

DECLARATION OF CONFORMITY

We :
Draper Tools Ltd.,
Hursley Road,
Chandler's Ford,
Eastleigh, Hampshire.
SO53 1YF.
England.

Declare under our sole responsibility that the product:

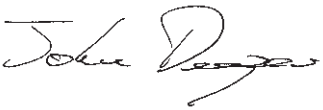
Stock No:- **79005.**

Part No:- **DMM18.**

Description:- **Automotive Tachometer.**

To which this declaration relates is in conformity with the following directive(s) 89/336/EEC.

With reference to: EN50081-1:1992, EN55022, EN50082-1:1997, EN55024, EN61000-4-2, EN61000-4-3.



J.N. Draper
Managing Director

11/08/2004

SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock No. 79005
Part No. DMM18
Battery type 1x9V PP3
Dimensions ..... 185(H) x 58.5(W) x 76.5(D)mm
Weight 210g

- **RPM:** (Tachometer) 1 Ignition spark on every 2 engine revolutions (4 stroke engine). Effective reading: >600 RPM. Overload protection: 250V DC or RMS AC.

Range	Resolution	Accuracy
600 to 2000 RPM	1 RPM	± 2.0% of rdg ± 5dgts
6000 to 12000 RPM	10 RPM	

- **RPM:** (Tachometer) 1 Ignition spark on every 1 engine revolution (2 stroke engine). Effective reading: >300 RPM. Overload protection: 250V DC or RMS AC.
  Also for distributorless ignition systems.

Range	Resolution	Accuracy
300 to 3200 RPM	1 RPM	± 2.0% of rdg ± 5dgts
3000 to 6000 RPM	10 RPM	

- reading = accuracy of the measurement circuit
- digits = accuracy of the analog to digital conversion

GUARANTEE

Draper Tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone: (023) 8026 6355.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

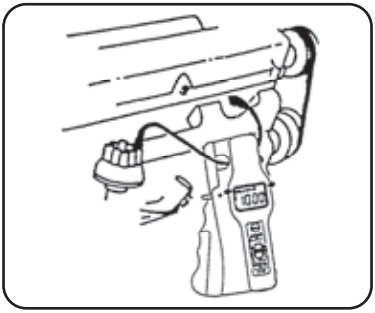
GETTING TO KNOW YOUR TACHOMETER

① Inductive Pickup.
② Liquid Crystal Display.
③ Power Range Switch.
④ Data Hold Button.

- **UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the automotive tachometer and contact the dealer from whom it was purchased.

  The packaging materials (plastic bags, polystyrene, etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

OPERATION AND USE



- **RPM MEASUREMENT:**
  1. Set range switch to x1 RPM4, x10 RPM4, x1 RPM2/DIS or x10 RPM2/DIS range position as applicable.
  2. Connect the inductive pickup around an HT lead. If no reading is received, unlock the clamp, turn it over and connect again.
- **NOTE:** The arrow on the meter should point in the direction of voltage i.e. from coil towards the spark plug.Position the inductive pick-up as far away from the distributor and the exhaust manifold as possible. Position the inductive pick-up to within six inches of the spark plug or move it to another plug wire if no reading or an erratic reading is received.
- **RPM4:**
  For RPM of 4 stroke engines which have 1 ignition spark on every 2 engine revolutions.
- **RPM2**
  For RPM of DIS (Distributorless ignition system) & 2 stroke engines which have 1 ignition spark on every 1 engine revolution.

MAINTENANCE

- **BATTERY REPLACEMENT:**
- Low battery indication ..... The "BAT" is displayed when the battery voltage drops below the operating level
- If the sign "BAT" appears on the L.C.D. display, it indicates that the battery should be replaced. Remove screws on the back cover and open the case. Replace the battery with a PP3 9V battery (Draper Stock No.61837).
- **TO CLEAN YOUR AUTOMOTIVE TACHOMETER:**
  Wipe over with a slightly damp cloth. Do not submerse in water.

NOTES

CONTACTS

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YOUR DRAPER STOCKIST

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