

DRAPER[®]

INSTRUCTIONS FOR Digital Angle Finder

Stock No.03077 Part No.D992

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



CE

DRAPER[®]

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. 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 the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

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2.1 CONTENTS

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1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

DIGITAL ANGLE FINDER

Stock no. 03077

Part no. D992

1.2 REVISIONS:

Date first published February 2015

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

Copyright © Draper Tools Limited.

Permission is granted to reproduce this publication for personal & educational use only.

Commercial copying, redistribution, hiring or lending is prohibited.

No part of this publication may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases this copyright notice must remain intact.

3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months from the date of purchase. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

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 guarantee period.

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

Note: This tool is intended for domestic use only.

4. INTRODUCTION

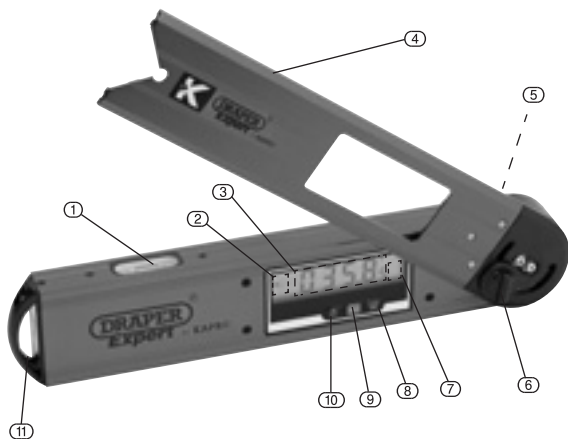
4.1 SCOPE

This digital angle finder measures and lays out any angle accurately and quickly.

4.2 SPECIFICATION

Stock no.	03077
Part no.	D992
Resolution	0.05°
Accuracy	0.1°
Measuring range	360°
Working current	<80µA
Work temperature	+5°C~+45°C
Work humidity	<85%RH
Length	250mm
Power	3V CR2032 Lithium battery
Battery life (supplied)	more than 2000 hours

5. TECHNICAL DESCRIPTION



- | | |
|-------------------------------|---|
| ① Level vial | ⑧ Conversion between absolute measurement and relative. |
| ② Analogue quadrant showing | ⑨ Holding |
| ③ High resolution 0.05° | ⑩ Press more than 8 seconds to turn off, short press it to shut off LCD |
| ④ Metal moving blade on front | ⑪ Hang hole |
| ⑤ Battery compartment | |
| ⑥ Locking knob | |
| ⑦ "ABS" mode | |

6. UNPACKING & CHECKING

6.1 PACKAGING

Carefully remove the Digital Angle Finder from the packaging and examine it for any sign of damage that may have happened during shipping. If it is damaged; please contact the Draper Helpline (the telephone number appears on the title page).

Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

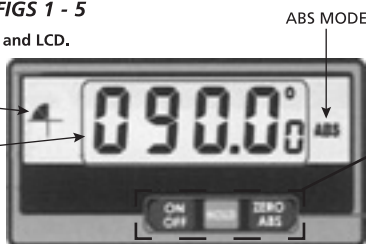
7. APPLICATIONS

7.1 APPLICATIONS FIGS 1 - 5

1. Instruction of BUTTON and LCD.

Analogue quadrant showing.

High resolution 0.05°

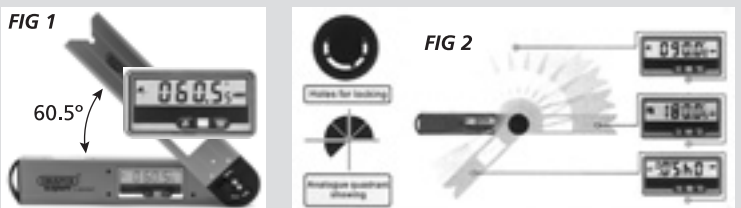


Press for more than 8 seconds to turn it off, short press it to shut off LCD.

Holding.

Conversion between absolute measurement and relative measurement by short press.

7. APPLICATIONS

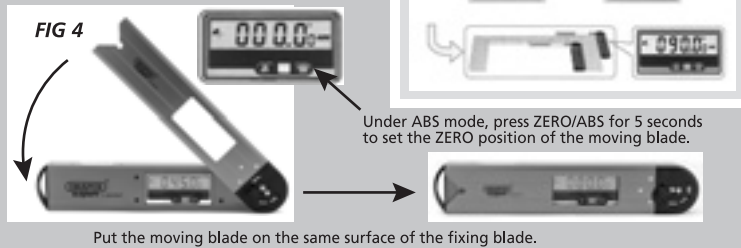


Four threaded holes accept the locking knob; select the hole based on the range you require. Removing the knob provides a full 360-degree range. (Fig.2)

2. ABS Setting (FIG.4).

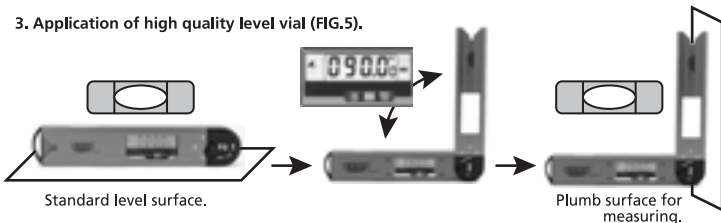
Under "ABS" mode:

- Automatic record the original ZERO position after power off.



Put the moving blade on the same surface of the fixing blade.

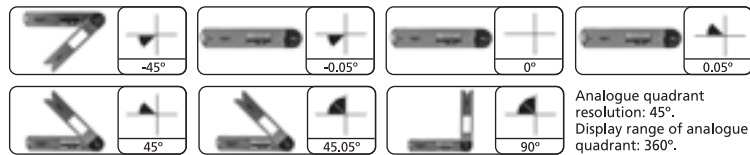
3. Application of high quality level vial (FIG.5).



Standard level surface.

Plumb surface for measuring.

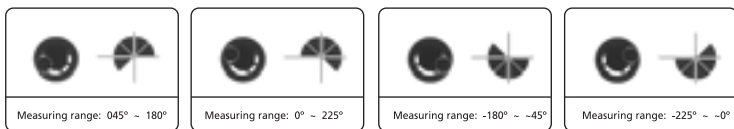
4. Instruction of analogue quadrant for moving blade (FIG.6).



Analogue quadrant resolution: 45°.
Display range of analogue quadrant: 360°.

5. Locking position relating with measuring range (FIG.7).

Making different measuring range by locking at four different locking holes.



Note: The measuring range could reach 360° if the screw is off the locking knob.

8. PREVENTATIVE MAINTENANCE

8.1 PREVENTATIVE MAINTENANCE

- Clean the angle finder with mild liquid soap and a damp cloth, never immerse in water.
- Always use 3V lithium battery.
- This is a sensitive precision tool and should be protected from excessive exposure to dust. Do not drop.

9. TROUBLE SHOOTING

9.1 TROUBLE SHOOTING A MALFUNCTIONING DISPLAY

Problem	Possible cause	Solution
Flashing lights.	Low voltage.	Replace battery.
No display.	Low voltage.	Replace battery.
Erratic or frozen display.	Internal error.	Remove battery wait 1 minute and replace.

10. EXPLANATION OF SYMBOLS

10.1 EXPLANATION



Warning!
Read the instruction manual



WEEE
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

11. DISPOSAL

11.1 DISPOSAL

- At the end of the products working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.
In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- Do not dispose of WEEE* as unsorted municipal waste.

* Waste Electrical & Electronic Equipment.



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- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.

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