



MOISTURE METER

43618



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.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR: Moisture Meter

Stock No: 43618

Part No: MM100

1.2 REVISIONS:

Date first published June 2019.

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

Downloads are available from: <http://drapertools.com/manuals>

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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:

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DECLARATION OF CONFORMITY	ENCLOSED

3. WARRANTY

3.1 WARRANTY

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 Help Line (023) 8049 4344.

A proof of purchase **must** be provided with the tool.

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 warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or 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 agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

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

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

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

Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

This portable instrument can be used to measure the moisture level in sawn timber (also paper, cardboard) and hardened materials (mortar, concrete and plaster). It displays the moisture level directly. In addition, it can also measure environment temperature.

4.2 SPECIFICATION

Stock no.43618

Part no MM100

Measurement range:

Wood 6 - 42%

Material..... 0.2 - 2.0%

Temperature0 - 40°C or 32 - 104°F

Resolution:

Wood 1%

Material..... 0.1%

Temperature 1°C/2°F

Accuracy:

Wood <30% ±2%

Material..... <1.4% ±0.1%

Display LCD

Power supply 1.5V (4xLR44)

Weight 0.05kg

Dimensions 80 x 40 x 20mm

5. TECHNICAL DESCRIPTION

5.1 IDENTIFICATION

- ① Probe cover
- ② Probes
- ③ LCD Display
- ④ On/Set button



6. UNPACKING & CHECKING

6.1 PACKAGING

Carefully remove the detector from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the title page) and do not attempt to use the detector.

The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

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. OPERATING INSTRUCTIONS

7.1 SELECTING DESIRED MODE

Press the button once to turn on the meter.

- After the meter has been turned on press and hold down the button for approximately 3 seconds to enter setting mode (reading disappears, symbol starts flickering on the display).
- While symbol is flickering on the display, press the button until the meter is in the desired measurement mode and the corresponding symbol flickers on the display.
- After the desired mode is selected, wait 3 seconds for the meter to exit setting mode automatically. Now you can start to measure.

7.2 PERFORMING MEASUREMENTS

- For temperature measurements the display shows the present environment temperature directly.
- To perform moisture measurements, push the probes to the surface you wish to measure and read the reading on the display. The meter will display a moisture percentage.

NOTE: Some factors such as material type and temperature can effect the moisture measurement result.

After the meter is turned on, pressing the button turns on the backlight. Approximately 3 seconds later the backlight will turn off automatically but the meter remains on but not lit.

7.3 AUTOMATIC POWER OFF FEATURE

In moisture measurement modes (wood or material):

- If you don't operate the meter (or the reading does not change) for approximately 15 seconds, the meter will turn off automatically.

In temperature measurement modes (Celsius or Fahrenheit):

- The meter will automatically turn off after 15 seconds.

In any mode after the low battery symbol appears, the meter will turn off automatically approximately 15 seconds later. In this case, you should replace the batteries immediately.

8. MAINTENANCE

8.1 MAINTENANCE

Remove batteries from the unit during lengthy periods of non-use, and store in a clean dry place. Do not take the unit apart or permit any unqualified person to take the unit apart. Unauthorized servicing may irreparably damage the unit, and invalidate the warranty.

9. EXPLANATION OF SYMBOLS

9.1 EXPLANATION OF SYMBOLS



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



Batteries are low and should be replaced



Wood moisture measurement mode



Material moisture measurement mode



Celsius temperature mode



Fahrenheit temperature mode



Out of range for this meter

10. DISPOSAL

10.1 DISPOSAL

- At the end of the machine's 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.

CONTACTS

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General Enquiries: (023) 8026 6355

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.

YOUR DRAPER STOCKIST

SRCM0619

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