

EN

Original Instructions
Version 2
May 2024



DIGITAL
**EXTERNAL
MICROMETER**

46599



UK
CA **CE**

Preface

User Manual for: Digital External Micrometer

Stock No: 46599

Part No: DEM

Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

1. Intended Use

This product is designed as a digital external micrometer to carry out both metric and imperial measurements.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.


This product is suitable for use by enthusiasts and tradespersons alike.

2. Specification

| | |
|------------------------|------------------------------|
| Stock No. | 46599 |
| Part No. | DEM |
| Scale range: | 0 – 25mm/0 – 1" |
| Measuring Force: | 5 – 10N |
| Resolution: | 0.001mm/0.00005" |
| Battery Power: | 1 X LR44 1.5V (not supplied) |
| Operating Temperature: | 0 to 40°C |
| Storage Temperature: | -20 to 60°C |

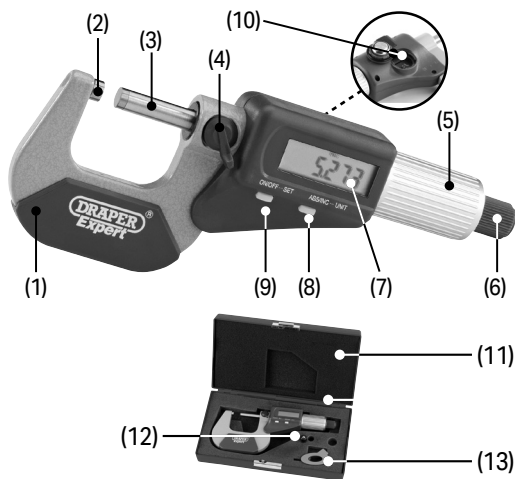
3. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user or the product.

 **WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools and equipment.

- **DO NOT** use the micrometer if damaged.
- **DO NOT** use the micrometer for any purpose other than for which it is designed.
- **DO NOT** expose to damp or wet conditions.
- **DO NOT** dip or submerge in any type of liquid.
- **DO NOT** expose the micrometer to bright sunlight or dust.
- **DO NOT** modify or dismantle the micrometer. The device must be checked by qualified service personnel only.
- **DO NOT** use the micrometer near strong magnetic fields or high voltage.
- The micrometer is a precision instrument, treat with care, avoid using force and do not subject to knocks or shocks.
- When not in use, store in a safe, dry, childproof location.

4. Identification



1. Frame
2. Anvil
3. Spindle
4. Locking device
5. Ratchet thimble
6. Quick drive
7. Display screen
8. ABS/Unit (mm/Inch) button
9. ON/OFF/SET button
10. Battery compartment/cap
11. Storage case
12. Ball end cap
13. Battery compartment key

5. Installing the battery

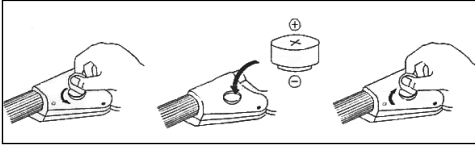



Fig. 1

- Only install or replace with a LR44 battery (not supplied).
 - Replace the battery when the display is blurred or the low battery symbol  is shown.
1. Remove the battery compartment cap (10) by turning anticlockwise with the key (13) supplied.
 2. Fit the battery with the positive side (+) uppermost.
 3. Refit the cap and turn the key clockwise to secure in place.

6. Operation

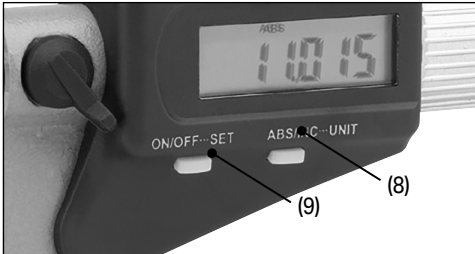


Fig. 2

1. Press the ON/OFF button (9) to turn on.
2. Then select inch or mm units by pressing the ABS/UNIT button (8) for 2-3 seconds. 'IN' will appear on the screen when inches selected.
3. To measure an item, place the item between the anvil (2) and spindle (3). Turn the quick drive (6) and adjust the spindle (3) until it is in contact with the item being measured.
4. The measurement will be shown on the screen.

7. Absolute (ABS)/Relative (INC) Setting

Use this function to set the absolute (ABS) and relative/incremental (INC) value - value can be set between 0-25mm/0-1" and can be used for calibration and comparative measurement purposes. The default setting for the absolute origin data is '0'.

- Press and hold the ON/OFF/SET button (9) for 2-3 to select 'absolute' mode.
- To switch between 'absolute measuring' and incremental' mode press ABS/INC button (8).

Ensure the measuring spindle is in contact with the item being used to calibrate it and that the measurement is precisely the distance required (i.e. identical to the preset origin value) and press the SET button.

8. Maintenance, Storage and Disposal

Remove the battery when storing the micrometer for an extended period of time. Wipe over with a dry clean cloth only. When not in use, store the micrometer and battery in the storage case supplied.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



9. Warranty

Lifetime warranty.

Visit drapertools.com/warranty for full details.

Contact Details

Draper Tools

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: drapertools.com

Email: sales@drapertools.com

Product Helpline: +44 (0) 23 8049 4344

Telephone Sales Desk: +44 (0) 23 8049 4333

General Enquiries: +44 (0) 23 8026 6355

Delta International

Delta International BV
Oude Graaf 8
6002 NL
Weert
Netherlands

Please contact the Draper Tools Product Helpline for repair and servicing enquiries.