

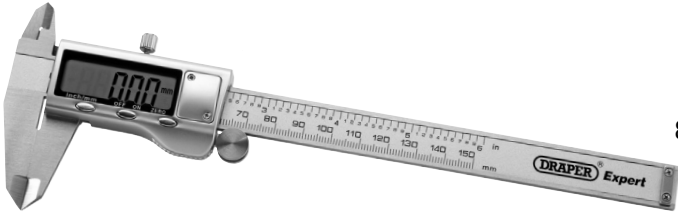
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Original Instructions
Version 1
August 2024



DIGITAL CALIPERS

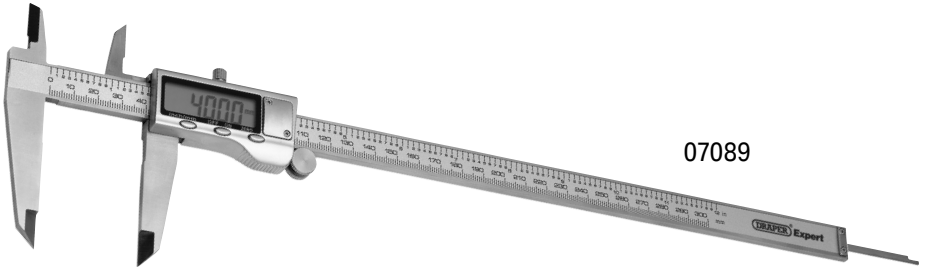
07088, 07089, 80859



80859



07088



07089



Version 1: August 2024 – First release

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 stainless-steel digital caliper is designed for carrying out external and internal 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.

2. Specification

Stock No:	80859	07088	07089
Part No:	PDVC150M/B	PDVC200M/B	PDVC300M/B
Battery Required:	2 x LR44 Alkaline button cell (1 x fitted/1 x spare)	1 x LR44 Alkaline button cell (supplied not fitted)	1 x LR44 Alkaline button cell (supplied not fitted)
Measuring Range:	0 – 150mm/0 – 6"	0 – 200mm/0 – 8"	0 – 300mm/0 – 12"
Resolution:	0.01mm/0.0005"	0.01mm/0.0005"	0.01mm/0.0005"
External Measurement:			
Accuracy 0- 50mm	+/- 0.02mm	+/- 0.02mm	+/- 0.02mm
Accuracy 50 – 200mm	+/- 0.03mm	+/- 0.03mm	+/- 0.03mm
Accuracy 200 – 300mm	N/A	N/A	+/-0.04mm
Max. Measuring Speed:	3m/sec 120"/sec	3m/sec 120"/sec	3m/sec 120"/sec
Operating Temperature:	0 to 40°C	0 to 40°C	0 to 40°C
Storage Temperature:	-20 to 70°C	-20 to 70°C	-20 to 70°C
Auto Shutdown (approx.):	5min 30secs	5min	5min

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.

3.1 General Health & Safety Precautions

- **DO NOT** use the caliper if damaged.
- **DO NOT** use this device for any purpose other than for which it is designed.
- **DO NOT** use in damp or wet locations or areas where there is condensation.
- **DO NOT** dip or submerge the caliper in any type of liquid.
- **DO NOT** expose to bright sunlight or dust.
- **DO NOT** disassemble the caliper. It must be checked by qualified service personnel only.
- **DO NOT** apply any voltage to the caliper.
- The caliper is a precision instrument, treat with care, avoid using force and do not subject to knocks or shocks or damage or scratch the scale surface.

3.2 Button Battery Health & Safety



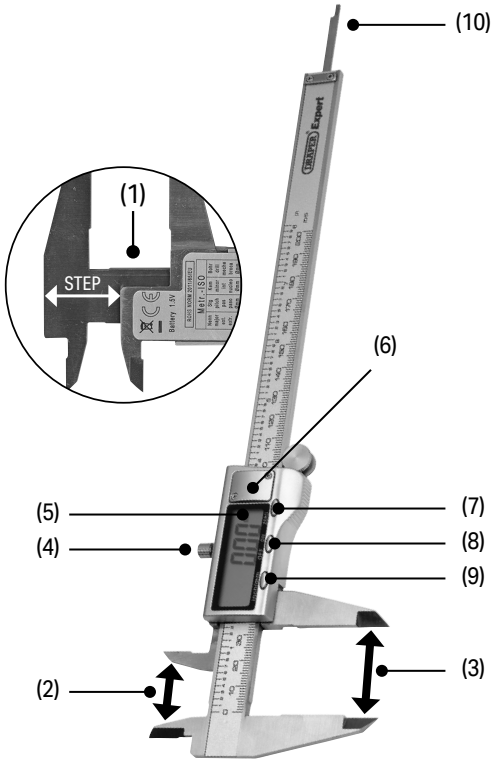
BATTERY WARNING!
KEEP OUT OF REACH OF CHILDREN

- **If the battery compartment does not close securely, stop using the product and keep it away from children.**
- **If you think batteries might have been swallowed or placed in any part of the body, seek immediate medical attention.**

Battery swallowed - No obvious symptoms

- Unfortunately, it is not obvious and there are no specific symptoms when a button or coin battery is stuck in a child's oesophagus (food pipe).
The child might:
 - cough, gag or drool a lot;
 - appear to have a stomach upset or virus;
 - be sick;
 - point to their throat or stomach;
 - have a pain in their abdomen, chest or throat;
 - be tired or lethargic;
 - be quieter or more clingy than usual or 'not themselves';
 - loss of appetite or reduced appetite; and
 - not wanting to eat solid food/be unable to eat solid food.
- These sorts of symptoms will vary or fluctuate, as the pain increases or subsides.
- A specific symptom to button or coin battery ingestion is vomiting fresh bright red blood. If the child does this seek immediate medical help.
- The lack of clear symptoms is why it is important to be vigilant with 'flat' or spare button or coin batteries in the home and the product that contains them.

4. Identification



1. Step measure
2. Internal measure
3. External measure
4. Locking screw
5. Digital display
6. Battery compartment cover
7. Zero button
8. ON/OFF button
9. Inch/mm selector button
10. Depth measure
11. Storage box (not shown)
12. 1 x LR44 battery (2 x LR44 batteries with 80859)

5. Operation and Use

Note: Before use ensure the surfaces to be measured are clean and free from burrs, oil and dirt.

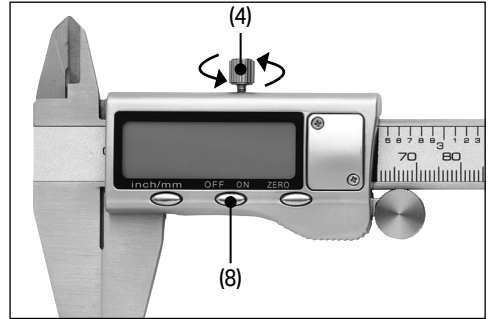


Fig. 1

1. Ensure the locking screw (4) is loosened off and then close the caliper.
2. Press the '**ON/OFF**' button (8) and wait a few seconds before using.

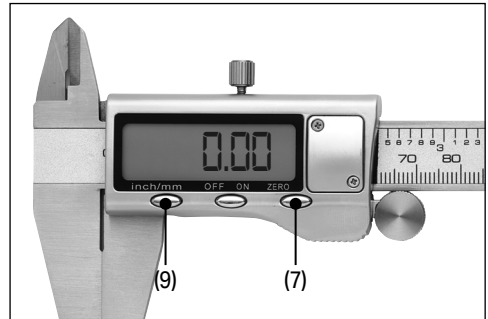


Fig. 2

- If the display does not show '0.00' when the caliper is closed, reset by pressing the '**Zero**' button (7).
3. Press the '**inch/mm**' button (9) as required to switch between metric and imperial measurements.
 4. Slide the main body to take the required measurement.
 - A new zero reading can be obtained at any open position of the caliper by pressing the '**Zero**' button (7).
 5. When finished switch off and store in the storage box supplied.

6. Battery Installation and Replacement

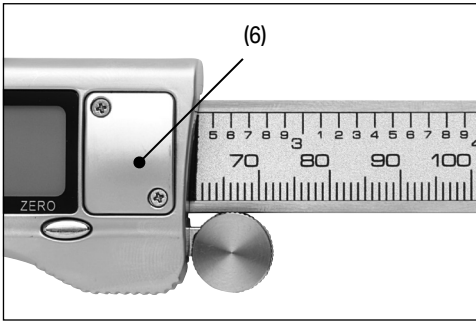


Fig. 3

1. Replace the battery when the screen is blank or the digits are flashing.
2. Unscrew the battery cover (6) and lift off.
3. Remove the exhausted battery and replace with a new LR44 battery – ensure the '+' side is uppermost.
4. Refit the battery cover and secure with the screws.

7. Maintenance, Storage and Disposal

- Keep the caliper clean and dry using a dry cotton cloth only.
- When not in use, switch off and store the caliper in the storage box supplied in a safe, dry, childproof location. Remove the battery if the caliper is not used for a prolonged period of time.

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.



8. Warranty

12 months Warranty -
Visit drapertools.com/warranty for full details.

9. Explanation of Symbols



Read the instruction manual



WEEE-

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



Do not incinerate or throw onto fire



European conformity



UK Conformity Assessed

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