



## Digital Caliper

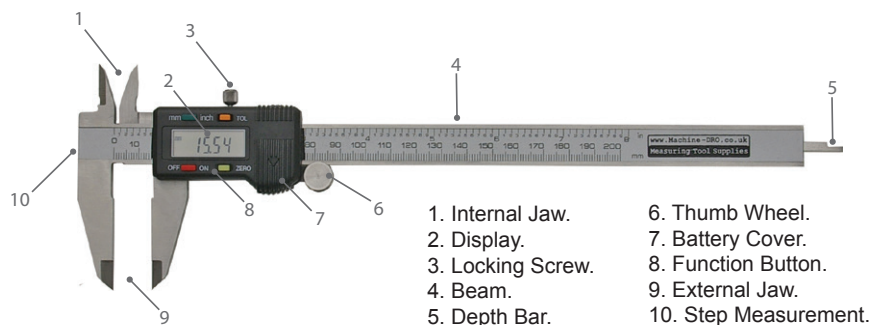
Part No:PP-ME-01-EN

Doc V: 1.2



### Precautions

- Before using the digital caliper for the first time, wipe the caliper with a clean cloth ideally soaked with cleaning oil.
- The caliper is a precision measuring instrument. Avoid using excessive force, and treat with care.
- The fitted battery is intended for the factory test procedure and therefore may not meet the specified battery life.
- Avoid exposure to all liquids, excessive humidity or temperature.
- Avoid exposure to bright sunlight.
- Never apply voltage on any part of this digital caliper or electric engrave the caliper.
- Remove the battery if the caliper is not being used for a long period of time.
- Never use solvents to clean the caliper. Only use a soft cloth with cleaning oil.



- Check the measuring surface is clean, switch on caliper.
- Ensure the locking screw is loose and close caliper. If the display is not reading zero, press zero button.
- Choose the display units as required (mm or inch).
- Close caliper on work piece to take desired measurement. Do not use excessive force.

### Battery Replacement



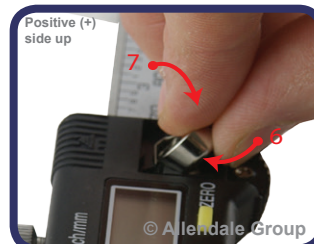
1. Slide open the battery cover.



2. Lift battery cover front edge.  
3. Remove cover.



4. Remove battery (a magnet tip tool can be used).  
5. Locate side spring contact.



6. Insert replacement battery edge against side contact.  
7. Press down on other edge.



8. Insert the two lugs on the cover.  
9. Gently lower battery cover.



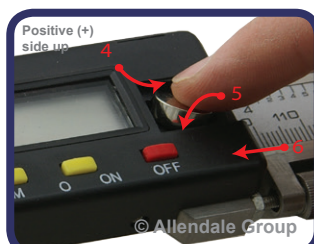
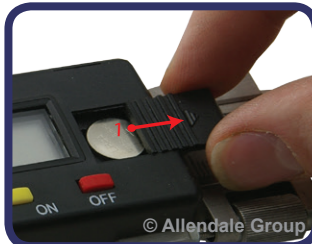
10. Pull battery cover outward slightly  
11. Fully lower cover



12. Slide battery cover fully closed.

#### Side Type Cover

- Slide open the battery cover.
- Remove battery. (a magnet tip tool can be used).
- Locate side spring contact.
- Insert replacement battery edge against side contact.
- Press down on other edge.
- Slide battery cover closed.





## Zero Calipers

mm

0.00

ZERO

Press zero to clear

## Metric/Inch conversion

mm

25.40

mm/inch

Press mm/inch to convert from metric to inch display.

in

1.000

mm/inch

The display will indicate which units are being displayed.

## Calipers with Tolerance Function (not available on all models)

mm

20.50

TOL

Press the tolerance button. Open the caliper to the maximum size required

mm

19.50

TOL

Press the tolerance button. Close the caliper to the minimum size required.

mm

20.00<sup>ok</sup>

When the measured size is within tolerance "OK" will be displayed.

mm

21.00

TOL

An arrow icon will indicate outside tolerance. (Press TOL until no icons show to exit)

## Caliper with a Preset Value Function (not available on all models)

mm

SET

0.00

SET

Press and hold the SET button. (If no SET button press and hold ZERO)

mm

SET

20.00

pre+

Press up or down buttons to increase and decrease value. Release SET button.

mm

SET

20.00

SET

Press SET set the display to the preset. (If no SET button press ZERO button)

## Calipers with ABS Function (not available on all models)

mm

0.00

Zero

Close caliper. Press ZERO button.

mm

30.00

Measure workpiece, for example 30mm.

mm

INC

20.00

ABS

Press ABS button to switch to incremental. Measure second workpiece, for example 50mm.

mm

50.00

ABS

Press ABS to switch back to Absolute display.

## Trouble Shooting

| Problem                   | Possible Cause                                                                                          | Solution                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Flashing display          | Low voltage<br>Poor contact                                                                             | Replace battery<br>Clean contact                                                                         |
| No display                | Dead or weak battery<br>Poor contact                                                                    | Replace battery<br>Clean contact                                                                         |
| No change to display      | Hold function active<br>"H" shown on display<br>Internal error                                          | Switch off function<br>Remove battery for 5 minutes<br>Remove battery for 1 hour                         |
| Can't zero                | Hold function active<br>Tolerance function active                                                       | Switch off function<br>Switch off function                                                               |
| Erratic or frozen display | Contamination between beam & head<br>low voltage                                                        | Wipe caliper clean<br>Replace battery                                                                    |
| Erroneous reading         | Low voltage<br>Contamination between beam & head<br>Too much operating force<br>Low ambient temperature | Replace battery<br>Wipe caliper clean<br>Use pressure device<br>Store caliper at normal room temperature |

