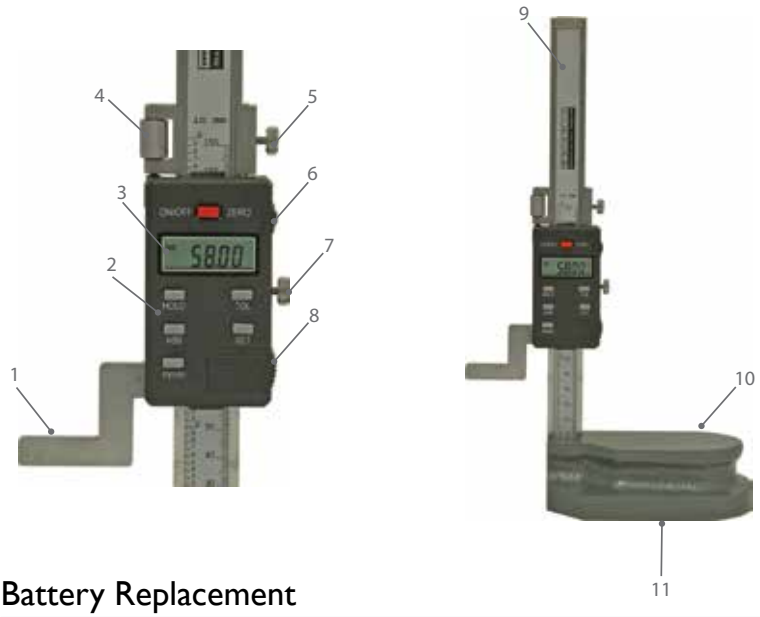
Digital Height Gauge

Precautions

- Before using the digital height gauge for the first time, wipe with a clean cloth ideally soaked with cleaning oil.
- The height gauge 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 height gauge or electric engrave.
- Remove the battery if the height gauge is not being used for a long period of time.
- Never use solvents to clean the height gauge. Only use a soft cloth with cleaning oil.
- The scriber tip is very sharp, take care when handling.
- Protect the Height Gauge during storage with a thin coating of anti-corrosion oil.

Digital Height Gauge



1. Arm.
2. Function Buttons.
3. LCD Display.
4. Fine Feed.
5. Fine Feed Locking Screw.
6. Data Output.
7. Head Locking Screw.
8. Battery Cover.
9. Beam.
10. Base.
11. Base Reference Surface.

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.

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

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

12. Slide battery cover fully closed.

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Zero Height Gauge

mm 0.00 ZERO

Press zero to clear. Press and hold ON/OFF button to switch height gauge off.

Height Gauge with ABS Function (not available on all models)

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.

Height Gauge with Tolerance Function (not available on all models)

mm ▲ SET + 000.00 TOL

Press the TOL button. "SET" will flash. To set upper limit. Press & hold TOL button, release when "+" flashes.

mm ▲ SET + 000.00 TOL

A short press on TOL will toggle between + or -. Press & hold TOL button, release when next digit flashes.

mm ▲ SET + 100.00 TOL

A short press on TOL button will increase the digit by 1. Repeat until the digit is displaying as required.

mm ▲ SET + 120.00 TOL

Press & hold TOL button to move to next digit, set as required. When all digits complete "SET" will flash.

mm ▼ SET + 100.00 TOL

Press TOL & hold button. Set lower Tolerance limit. When all digits complete "SET" will flash.

mm OK 110.00

Press & hold TOL button. When measured size within tolerance "OK", if under "▼", or if over "▲" displayed.

Preset Value Function (not available on all models)

mm SET + 100.00 SET

The Preset Function value is entered using same method as Tolerance Function, but press the SET button.

mm 100.00 ZERO

A short press on ZERO will display the preset value.

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.

Trouble Shooting

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

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