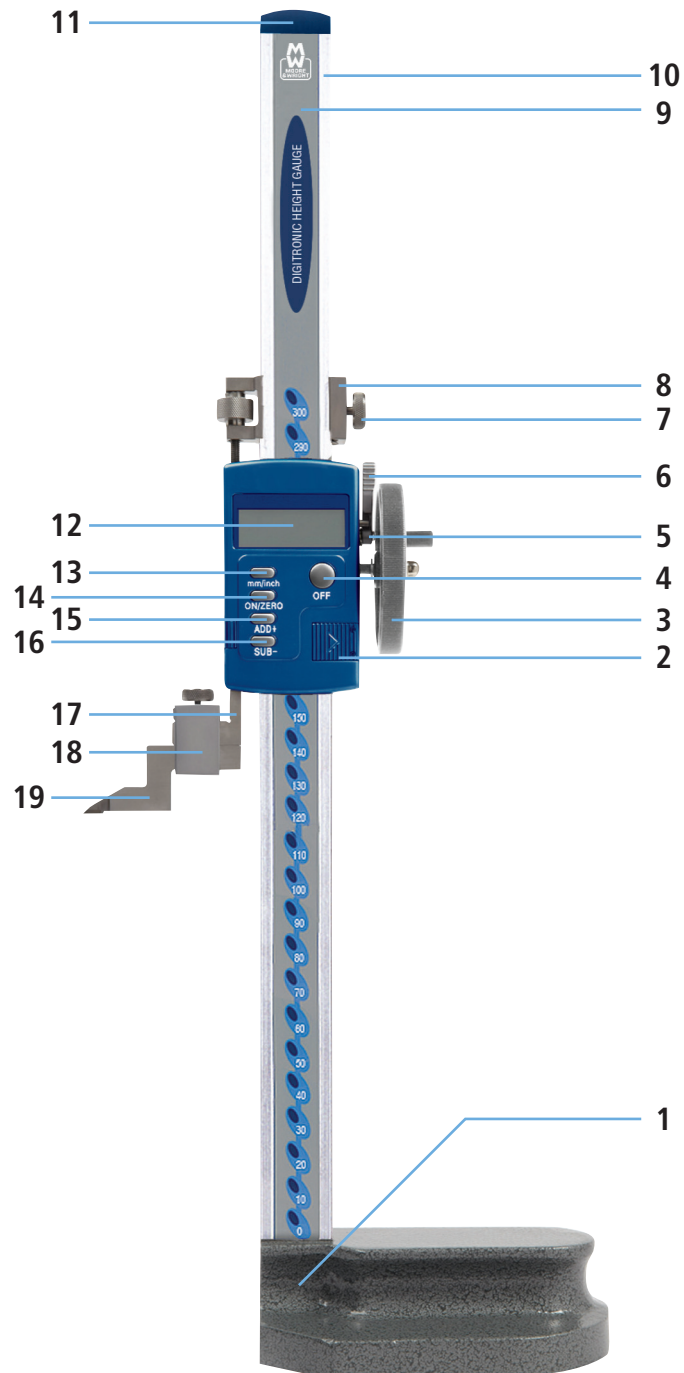


Digitronic Height Gauge 193 Series

Please carefully review these instructions to ensure proper and accurate use of your new Digitronic Height Gauge.

1. Features

1. Base
2. Battery cover
3. Hand wheel, gear, gear-driven mechanism
4. OFF key
5. Pin of locking handle
6. Locking handle
7. Fine adjustment locking screw
8. Fine adjustment carriage
9. Protective scale cover
10. Beam
11. Stopper
12. LCD display
13. mm/Inch conversion
14. ON and ZERO key
15. Upper presetting key
16. Lower presetting key
17. Slider
18. Scriber clamp
19. Measuring jaw/scriber



2. Specifications

Measuring range:	0-300mm, 0-600mm
Resolution:	0.01mm
Repeatability:	0.01mm
Technical Standard:	Factory standard
Accuracy:	300mm version +/- 0.040mm 600mm version +/- 0.050mm
Max response speed:	1m/s
Power:	Button cell battery -SR44/1.5V

3. Key Functions

OFF	Switch off LCD Display
ON/ZERO	Start LCD Display and zero-setting
Mm/in	Set mm/in
ADD+	Add presetting value
SUB-	Subtract presetting value

4. Maintenance

- Before using it, clean the surface of the protective sticker with a dry, clean cloth (or one soaked with cleaning oil)
- Operating Conditions: Temperature: 5~40°
 Relative Humidity: <80%
- Prevent any hydrous liquid from coming in to contact with the protective sticker
- Never apply voltage (eg engraving with an electric pen) on any part of the Height Gauge for fear of damaging the circuit
- Preset a starting point of measurement correctly (please see Operation instructions) unless setting is changed. Do not press "ON/ZERO" key casually for fear of wrong measurement
- Prevent foreign objects entering the gear at the back of the body
- Please note that one should make sure that fastening screw (7) and locking handle (6) are not tight when the wheel (3) is turned, otherwise the gear will be damaged

5. Operation

- Dry the surface of the protective sticker (see maintenance instructions) and clean the base and measuring jaw, then fix and lock the measuring jaw according to NOMENCLATURE
- Clean the working platform and put the Height Gauge on it. Loosen the locking screw and move the slider to check if the LCD display and all the buttons work properly
- Before moving slider via hand wheel, you should loosen locking handle and fastening screw; or before moving slider via fine adjustment carriage, you should fasten locking handle but loosen locking handle at the same time. Locking handle is loose when it is at pin of locking handle. By turning the locking handle clockwise, the slider is fastened
- Preset the starting point of measurement:
 - Usually the zero point of measurement is the surface of working platform. Follow the steps below:
 - Make the measuring jaw and platform surface gently touch (measuring force is about 3~5N), the value on LCD should be 0, or press ON/ZERO button to make it be 0
 - Especially, when measuring an object beyond the range of the Height Gauge, lift the base with a block. Then the zero point is the platform surface and the starting point can be the block surface or the work piece surface. If the starting point is the block, preset the height of the block (the height should be measured by more accurate instrument). If the starting point is the surface of the measured work piece, preset the height of the surface (the height is designed value or actual value, according to actual needs)

6. Battery Replacement

Abnormal display (digits flashing or no display) shows a flat battery and it should be replaced. Take off the cover in the direction shown by the arrow and replace the battery with a new one.

1. The positive pole of the battery must be facing outwards
2. Please preset the zero point of measurement again after the battery replacement
3. If the purchased battery does not work satisfactorily (the power may wear down due to the long-term storage or the battery's automatic discharge etc.) do not hesitate to contact the supplier

7. Troubleshooting

Problem(s)	Cause(s)	Solution(s)
Flashing digits	Low voltage	Replace the button cell
No Display	1. Low voltage 2. Poor battery contact	1. Replace the button cell 2. Adjust and clean the battery contacts
Fixed digits	Fault with circuitry	Take out the battery and replace after one minute