

Datasheet

Electronic Single Column Height Gauge with Hand Wheel



Robust single column construction
 Clear LCD display with 14mm digits
 Hand wheel allows easy movement of measuring head.
 Fine adjustment mechanism.
 Contoured base provides improved handhold.
 Tungsten carbide tipped scriber.
 Indicator Holder with 8mm hole and clamping screw suitable for holding Lever or Plunger Dial Indicators
 5 Button Operations:
 Power supply: 1 x SR44W, 1.5V battery cell



Height Gauge Parts:

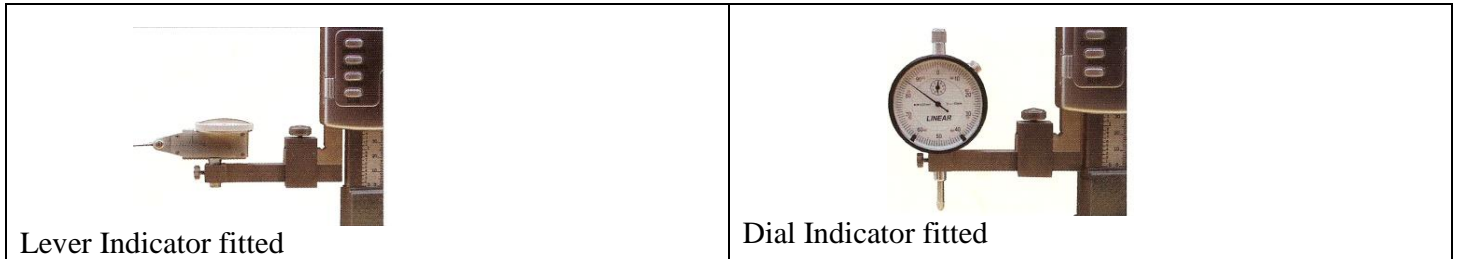
- 1 Fine adjustment carriage
- 2 Fine adjustment screw
- 3 Fine adjustment carriage locking screw
- 4 Measuring head locking lever
- 5 Hand wheel
- 6 Battery cover
- 7 Height gauge column
- 8 Scriber and accessory mounting arm

Button Features:

- mm/inch: Metric / Inch selection
- ON/ZERO: Power on / Zero setting
- ADD+: Pre-set plus movement
- SUB-: Pre-set minus movement
- OFF: Power off

Code	Range	Resolution	Accuracy	Repeatability
51-360-012	300mm / 12"	0.01mm / 0.0005"	±0.04mm / 0.00015"	0.01mm / 0.0005"
51-360-024	600mm / 24"	0.01mm / 0.0005"	±0.05mm / 0.0002"	0.01mm / 0.0005"

Accessories: Indicator Holder



Lever Indicator fitted

Dial Indicator fitted

Operation

Clean under the base of the Height Gauge to ensure that there is no dirt between the base and the surface plate it is to be used on

Ensure the working surface of the plate is clean and place the height gauge carefully on to it

Wipe the black plastic sticker on the vertical column with a soft cloth or paper to remove any oil or water deposits

Fit the scriber to the instrument

Move the measuring head and check that the display and all the buttons are functioning correctly

The hand wheel is used to move the measuring head up or down the vertical column. The hand wheel can be disconnected by pulling out from engagement with the rack if it is not required

If the measurements are to be taken using the surface of the plate as the datum:

Move the scriber gently down to touch the surface of the plate (measuring force 3-5N)

Press the ON/Zero button to bring the digital display to zero

If the component requiring measurement is higher than the height gauge range, a riser block of known height can be used to extend the range

Sit the height gauge on the riser block and move the scriber gently down to touch the surface of the riser block

Use the pre-set buttons to set the digital display to the size of the riser block

Direct measurements can now be taken on larger components

OPERATING CARE

Clean measuring faces with dry soft cloth

Keep away from strong magnetic fields

Prevent ingress of oil / liquids into electronics

Remove battery if instrument is not used for a long period of time

Do not disassemble or drop the instrument

Do not mark instrument by engraving, etching or any other permanent marking method, as this will invalidate the warranty

FAULT FINDING

Fault	Cause	Action
Display flashes	Battery voltage below 1.45volts	Replace battery
Display frozen	Circuit overload	Remove battery and replace after 4 minutes
Accuracy below specification but within +/- 0.1mm	Dirt in sensor	Remove slider cover assembly, clean face of sensor with dry clean compressed air (5kg/cm2)
No display	Poor battery contact Dead battery	Remove battery and carefully adjust contacts, replace battery.