

**New Style Double Column Electronic Height Gauges**

Product Codes	51-350-012
	51-350-024

**GENERAL SPECIFICATIONS**

Resolution:	0.01mm & 0.001in
Repeatability:	0.01mm & 0.001in
Drift:	0.01mm & 0.001in
Operating Temperature:	0 - 40°C
Storage Temperature:	Minus 20°C to Plus 70°C
Humidity:	Within 80%
Power Supply:	1 x SR44 Battery
Battery Life:	12 Months

**ACCURACY SPECIFICATIONS**

**Metric:**

Measuring Range	0 - 200mm	200 - 400mm	400 - 600mm
Accuracy	0.03mm	0.04mm	0.05mm

**Inch:**

Measuring Range	0 - 8in	8 - 16in	16 - 24in
Accuracy	0.0012in	0.0015in	0.002in



**FUNCTION KEYS**

<b>1</b>	<b>MM/IN:</b>	Metric / Inch Conversion
<b>2</b>	<b>ABS:</b>	Absolute / Relative Modes
<b>3</b>	<b>H:</b>	Data Hold
<b>4</b>	<b>TOL:</b>	Tolerance Setting
<b>5</b>	<b>O:</b>	Zero Setting
<b>6</b>	<b>ON:</b>	Power Key

**OPERATING CARE**

- Clean instrument with soft cloth only.
- Keep away from strong magnetic fields.
- Prevent ingress of oil and other liquids in electronic parts.
- Remove battery if instrument is not used for a long period of time.
- Do not disassemble or drop the instrument
- Do not carry the Height Gauge by the top block
- Do not mark instrument by engraving, etching or any other permanent method, as this will invalidate the warranty.

**FAULT FINDING**

<b>Fault</b>	<b>Correction</b>
Display value frozen	Check if in Data Hold Mode
Display Confusion	Remove battery for 4 minutes, then replace to re-set the electronic
Incorrect Measurement	Clean measuring surfaces, re-set datum zero (see Operating Instructions) Measuring speed exceeded, use hand wheel only to move measuring head
No display	Check battery voltage and instrument contacts
Display Flashes	Replace battery

**OPERATING PROCEDURE**

**Note: Always move measuring head using hand wheel to control speed**

**ABSOLUTE MEASURING MODE**

Press ON/OFF key to power up display.

Press MM/IN key to select metric or inch system.

Press ABS key to remove INC if showing from display. Instrument is now in Absolute measuring mode. Traverse scribe down close to datum surface using hand wheel knob. Use outer rim of hand wheel to carefully touch scribe onto datum surface.

Press O key to zero display.

The Height Gauge is now ready to give direct readings from the datum surface. The Instrument can be locked in the desired position to ensure the head does not move when scribing.

**RELATIVE MEASURING MODE**

Press ABS key to show INC on display. Instrument is now in Relative measuring mode. Set Height Gauge to the required position and press O key to zero, any movement of the gauge head from this position will result in the display of either a plus or minus measurement from the relative set zero position. Press the ABS key to return to the original Absolute zero position.

**TOLERANCE SETTING MODE**

Set Height Gauge to zero in Absolute mode as previously described.

Press TOL key to obtain ↑ symbol on the display screen, then move gauge head to indicate the upper tolerance size. Press TOL key to set this size and indicate ↓ symbol on the display screen. Move gauge head to indicate the lower tolerance size and press TOL key to set.

The tolerance has now been set and the ↑ or ↓ symbol will be displayed when the measurement is either above or below the desired size range. The screen will display OK when the measurement is within the tolerance band.

**DATA HOLD**

Press H key to hold displayed size. Gauge Head can now be moved whilst display remains frozen. Press H key again and Height Gauge will resume normal working and display the correct new position.