



Datasheet

RS Double Column Height Gauge

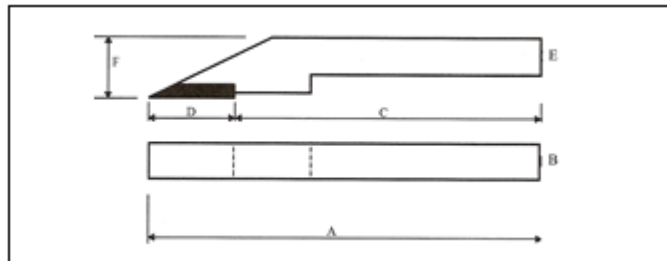
	<p>Robust twin column construction Large hand wheel for fast and fine adjustment Digit display: 8mm characters Tungsten carbide tipped scriber Power: 1 x SR44 silver oxide battery 1.5V</p>											
	<p>Base Size</p> <table border="1"> <thead> <tr> <th>Base Size</th> <th>L mm</th> <th>W mm</th> <th>H mm</th> </tr> </thead> <tbody> <tr> <td>8412546</td> <td>135</td> <td>88</td> <td>45</td> </tr> <tr> <td>8412549</td> <td>180</td> <td>120</td> <td>53</td> </tr> </tbody> </table>	Base Size	L mm	W mm	H mm	8412546	135	88	45	8412549	180	120
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Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
8412546	Electronic Double Column Height Gauge 300mm / 12"	3950	210	130	520
8412549	Electronic Double Column Height Gauge 600mm / 24"	9550	290	172	885

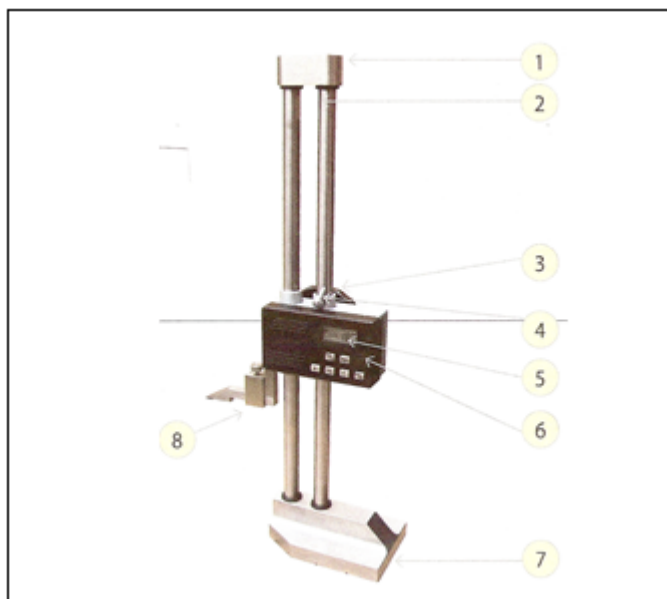
	<p>Function Buttons:</p>											
	<table border="1"> <tbody> <tr> <td>MM/IN</td> <td>Metric / Inch Conversion</td> </tr> <tr> <td>ABS</td> <td>Absolute / Relative Modes</td> </tr> <tr> <td>H</td> <td>Hold</td> </tr> <tr> <td>TOL</td> <td>Tolerance Setting</td> </tr> <tr> <td>O</td> <td>Zero Setting</td> </tr> <tr> <td>ON</td> <td>Power Button</td> </tr> </tbody> </table>	MM/IN	Metric / Inch Conversion	ABS	Absolute / Relative Modes	H	Hold	TOL	Tolerance Setting	O	Zero Setting	ON
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Code	Range	Resolution	Accuracy 0-200mm	Accuracy 200-400mm	Accuracy 400-600mm	Repeatability mm
8412546	300mm 12"	0.01mm 0.001"	0.03mm 0.0012"	0.04mm 0.0015"		0.01mm 0.001"
8412549	600mm 24"	0.01mm 0.001"	0.03mm 0.0012"	0.04mm 0.0015"	0.05mm 0.002"	0.01mm 0.001"



Scriber suits both models

A mm	B mm	C mm	D mm	E mm	F mm
80	8.80	70	10	9.25	16



1	Top Block
2	Double Columns
3	Adjustment Wheel
4	Locking Lever
5	LCD Display
6	Measuring Head
7	Base
8	Scriber

Operating Care:

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

Absolute Measuring Mode:

- Press ON/OFF key to power up display
- Press mm/in key to select metric or inch measuring system
- Press ABS key to remove INC if shown on 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 bring scribe into contact with the datum surface
- Press C 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 remove **INC** if shown on the display.

Move Height Gauge Head to the required setting position and press **ABS** key to show **INC** on the display

The display will automatically show zero

Movement of the gauge head from this position will display a positive or negative reading from the Relative zero set position

Press the **ABS** key to return to the Absolute zero set position

Tolerance Setting Mode:

Set Height gauge to zero in Absolute mode as previously described

Press **TOL** key to indicate **▲** symbol on the display screen, move the gauge head to indicate the upper tolerance size

Press **TOL** key to set the size and indicate **▼** symbol on the display screen.

Move the 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 to indicate whether 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. The gauge head can now be moved whilst the display remains frozen

Press **H** key again and the Height Gauge will resume normal working and display the correct new position

General Specifications:

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

Fault Finding:

Fault	Correction
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