



ENGLISH

Datasheet

RS Pro Electronic Double Column Height Gauge

RS Stock No: 841-2549

Specifications:

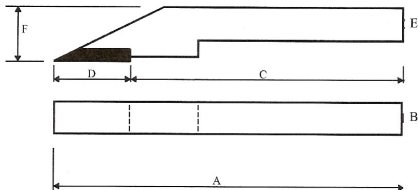
Robust twin column construction
Large hand wheel for fast and fine adjustment
Digit display: 8mm characters
Tungsten carbide tipped scriber
Power: 1 x SR44 silver oxide battery 1.5V
Range: 600mm/24"
Resolution: 0.01mm /0.001"
Accuracy 0-200mm: 0.03mm/0.0012"
Accuracy 200-400mm: 0.04mm/0.0015"
Accuracy 400-600mm: 0.05mm/0.002"
Repeatability: .01mm/0.001"
Base Size:
Length: 180mm
Width: 120mm
Height: 53mm



Order Code	Manufacturers Code	Description
841-2549	51-350-024	Electronic Double Column Height Gauge 600mm / 24"

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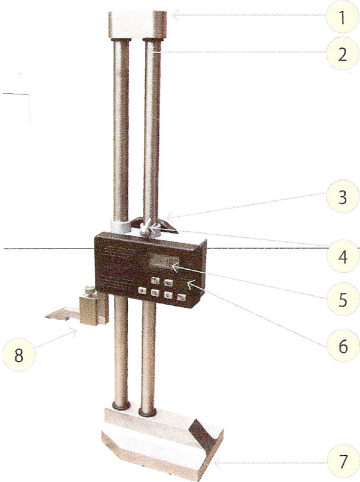
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The drawing shows a side view of the scribe with dimensions A, B, C, D, E, and F. Dimension A is the total length, B is the width, C is the length of the main body, D is the length of the angled tip, E is the height of the tip, and F is the height of the main body.

Scriber suits both models

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



The photograph shows the height gauge with numbered callouts: 1 (Top Block), 2 (Double Columns), 3 (Adjustment Wheel), 4 (Locking Lever), 5 (LCD Display), 6 (Measuring Head), 7 (Base), and 8 (Scriber).

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



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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 scriber down close to datum surface using hand wheel knob
- Use outer rim of hand wheel to carefully bring scriber 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



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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 Specification:

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