ABSOLUTE DIGIMATIC HEIGHT GAGE SERIES 570
Excellent Functionality and Cost Performance

Features

Slider Feed Wheel
- Smooth up/down displacement with the slider feed wheel identical to that of double-column height gages.

Column
- Durable and high-measuring accuracy.
- Increased rigidity: 1.38 x 0.59" (35 x 15mm) common to all models.
- Instrumental error of 12”/300mm model: ±0.0015”/±0.03mm, an improvement compared to earlier models.

Large Clamp Lever
- Lever provides reliable slider clamp operation.

Large LCD
- Character size: 0.39” x 0.15” (10 x 3.8mm), is easy to read.
- Readable in dark environments.

Base
- New base design makes it easy to move and hold.

Built-in ABS (Absolute) Encoder
- Eliminates the need to set the reference point every time the unit is turned on.
- Eliminates over-speed errors.
Functions

• **ORIGIN (Absolute Origin) Setting Function**
  The surface plate top, etc., can be stored as the absolute origin.

• **ABS (Absolute) Measurement Function**
  After power-on, measurement can begin without zero-setting as required by previous models. Also, the absolute origin position can be changed with the ORIGIN (Absolute Origin) switch.

• **INC (Incremental) Measurement Function**
  This function allows the origin setup at an arbitrary position in addition to the ABS (Absolute) Measurement Function. Turning the power off clears the new origin from memory and reverts the gage back to its original absolute origin.

• **Hold Function**
  A display value can be held.

• **Output Function**
  The output terminals of measured data allow you to establish a statistical process control system or a measurement support system.

• **Low Battery Alarm**
  Notification of low battery life. " "

### Dimensions

![Image of a Mitutoyo measuring instrument with labeled dimensions]

### Specifications

<table>
<thead>
<tr>
<th>Order No.</th>
<th>570-302</th>
<th>570-304</th>
<th>570-312</th>
<th>570-313</th>
<th>570-314</th>
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</thead>
<tbody>
<tr>
<td>Measuring range</td>
<td>0 - 300mm</td>
<td>0 - 600mm</td>
<td>12’’/300mm</td>
<td>18’’/450mm</td>
<td>24’’/600mm</td>
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<tr>
<td>Resolution</td>
<td>0.01mm</td>
<td>±0.03mm</td>
<td>±0.05mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
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<tr>
<td>Instrumental error</td>
<td>±0.03mm</td>
<td>±0.05mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
<td>±0.03mm</td>
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<tr>
<td>Repeatability</td>
<td>0.01mm</td>
<td>.0005”/0.01mm</td>
<td>.0015”/±.0020”/±.005mm</td>
<td>.0015”/±.0020”/±.005mm</td>
<td>.0015”/±.0020”/±.005mm</td>
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<tr>
<td>Display</td>
<td>6-digit LCD, character height of 10mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Response speed</td>
<td>Unlimited</td>
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<tr>
<td>Power supply</td>
<td>SR44 (button-type silver oxide battery) 1pc: 938882</td>
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<tr>
<td>Battery life</td>
<td>20,000 hours</td>
<td></td>
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<tr>
<td>Functions</td>
<td>ORIGIN (absolute origin) setting function, ABS (absolute) measurement function, INC (incremental) measurement function, Hold function, Output function*, and Low-battery alarm</td>
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<tr>
<td>Mass lbs (kg)</td>
<td>10.14 (4.6)</td>
<td>14.11 (6.4)</td>
<td>10.14 (4.6)</td>
<td>13 (5.9)</td>
<td>14.11 (6.4)</td>
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<tr>
<td>Slider feed</td>
<td>Wheel rotation</td>
<td></td>
<td></td>
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<tr>
<td>Standard accessories</td>
<td>Scribe: 07GZA000</td>
<td>Scribe: 901385</td>
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<tr>
<td>Optional accessories</td>
<td>Holder armC: 953638 (for mm), 953639 (for inch)</td>
<td>Connector cable: 905338 (1m), 905409 (2m)</td>
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</tr>
</tbody>
</table>

*1: Quantizing error: ±1 count is not included.  
*2: Data output cable (option): 1m (905338) or 2m (905409)
Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top-quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.