Digital Height Gage

Digimatic® Height Gage

Height gages feature improved ease of operation and enhanced functionality.

Bulletin No.1950
High environmental resistance linear encoder system

Absolute Linear Scale ABS AT715 & KA Counter

Digital Height

Best-selling Models with double-column construction

Large LCD characters

Character height of 11 mm makes display easy to read and avoids eyestrain.

Slider handle

Inclined handle improves slider ergonomics.

HD-30AX display

- Large function buttons. Frequently used buttons are positioned on the right-hand side of the panel for easy operation.
- Uses the proven alarm system as used on previous models.

Base

Base is shaped to offer a secure grip
Gages with Improved Ease of Operation

Resolution switchable to 0.01 or 0.005 mm
Simple switching operation

Output function for all models
Connectable to the Digimatic Mini-processor DP-1VR, or to a PC via the input tool

Highly efficient operation plus preset-function convenience
Preset functions enable two reference planes to be set relative to surface plate datum

- Example of preset 1
  To measure a height of 70 mm, with a reference plane height of 50 mm
- Example of preset 2
  To measure a height of 130 mm, with a reference plane height of 150 mm

Options
- Bidirectional touch signal probe for Multi-function type
- Connecting cable

Functions
- Zero-set
- Two preset reference heights
- Direction switching
- ABS measurement system (origin setting function)
  (Re-setting of the origin is not required after power-off)
- Hold
- Data output
- Probe-ball diameter correction (HDM-AX only)

digimatic® Height Gage
Standard type with SPC Data output

- **Specifications**

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<th>Code No.</th>
<th>metric</th>
<th>inch / metric</th>
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<td>0-300mm</td>
<td>0-12&quot; (0-300mm)</td>
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<td>192-614-10</td>
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- Resolution: Switchable between 0.01 and 0.005 mm .0005" (0.01mm) [ .0002" (0.005mm) switchable ]

- Display: 7-digit LCD, character height: 11 mm

- Accuracy*: ±0.02mm ±0.05mm ±0.07mm ±0.02" ±0.05mm ±0.07mm

- Repeatability: 0.01mm .0005" (0.01mm)

- Response speed: About 500 mm/s

- Power supply: One SR44 battery (silver oxide button cell) **No.938882**

- Battery life: About 3,500 hours

- Operating temperature range: 0°C to 40°C

- Weight: 4.7kg 8.3kg 15.7kg 4.7kg 7.5kg 8.3kg 15.7kg

- Scriber No.: 07GZA000 900258

- Scriber clamp No.: 05GZA033 901385

- Standard accessories: Scriber, scriber clamp, battery

*Quantizing error: ±1, without count

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Multi-function type with SPC Data output, a bidirectional touch signal probe can be used

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- Operating temperature range: 0°C to 40°C

- Weight: 5.7kg 8.3kg 15.7kg 5.7kg 7.5kg 8.3kg 15.7kg

- Scriber No.: 905200 905201

- Scriber clamp No.: 05GZA033 901385

- Standard accessories: Scriber, scriber clamp, battery

*Quantizing error: ±1, without count
**Standard type with SPC Data output**

- **External dimensions (unit: mm)**

  0-12”[0-24”]  
  (0-300mm [0-600mm])

  ![Diagram of standard type with SPC Data output](image1)

  0-40”  
  (0-1000mm)

  ![Diagram of standard type with SPC Data output](image2)

**Multi-function type with SPC Data output, a bidirectional touch signal probe can be used**

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  0-12”[0-24”]  
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  ![Diagram of multi-function type with SPC Data output](image3)

  0-40”  
  (0-1000mm)

  ![Diagram of multi-function type with SPC Data output](image4)
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