Height Gage

A standard measuring tool of industry

ABSOLUTE Digimatic Height Gage
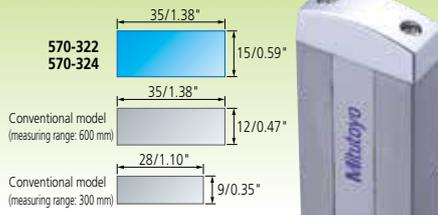## SERIES 570 — with Ergonomic Base

MeasurLink® ENABLED
Data Management Software by Mitutoyo

- Allows smooth elevation by the slider adjustment wheel, which is the same as the well-established double-column structure height gage.
- Large slider-clamp lever ensures positive and accurate clamping action.
- High durability and high accuracy are ensured by an improved column design (35×15 mm).

Dimensions of column cross section

570-322 570-324	35/1.38" × 15/0.59"
Conventional model (measuring range: 600 mm)	35/1.38" × 12/0.47"
Conventional model (measuring range: 300 mm)	28/1.10" × 9/0.35"

- Character height of the LCD display is 10 mm.
- Ergonomic and stylish base fits comfortably in the hand.
- Due to the built-in ABSOLUTE scale function, origin setting is not required each time power is turned ON.

- Allows integration into statistical process control and measurement systems. Refer to page A-3.
- Battery: SR44 (1 pc), **938882**. For initial operational checks (standard accessory)
- Battery life is 20,000 hours under normal use.
- For precision Black Granite Surface Plates, refer to page E-46.

Note: Do not hold the height gage by the column as this can affect the accuracy.

570-322

570-324

SPECIFICATIONS

Metric

Order No.	Range (mm)	Resolution (mm)	Accuracy (mm)*	Repeatability (mm)	Max. response speed	Mass (kg)
570-322	0 - 300	0.01	±0.03	0.01	Unlimited	4.6
570-324	0 - 600	0.01	±0.05	0.01	Unlimited	6.4

* Excluding quantizing error of ±1 count

Inch/Metric

Order No.	Range (in)	Resolution	Accuracy (in)*	Repeatability (mm)	Max. response speed	Mass (kg)
570-312	0 - 12	0.0005 in/0.01 mm	±0.0015	0.01	Unlimited	4.6
570-313	0 - 18	0.0005 in/0.01 mm	±0.002	0.01	Unlimited	5.9
570-314	0 - 24	0.0005 in/0.01 mm	±0.002	0.01	Unlimited	6.4

* Excluding quantizing error of ±1 count

ABSOLUTE™

Functions

- Origin-setting:
  Any convenient reference surface, such as a surface plate, etc., can be stored as the absolute origin point.
- Absolute measurement:
  After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. Absolute origin position can be changed by ORIGIN button.
- Incremental measurement: Allows origin setting at any arbitrary position. In this case, the origin point is not stored after turning off the power.
- Data hold
  Display value can be held.
- Data output:
  Allows integration into statistical process control and measurement systems. (Refer to page A-3.)
- Low-voltage alert:
  Low-voltage alert: If the battery voltage becomes low, a "B" appears in the display to alert the user before measurement is no longer possible so that the battery can be changed in good time.

Standard Accessories

For **570-322**, **324**
  07GZA000 Scriber
  05GZA033 Scriber clamp
For **570-312** and **570-313**, **570-314**
  900258 Scriber
  901385 Scriber clamp

05GZA033

935638

902053

07GZA000
(Refer to page F-75 for details)

Optional Accessories

For details, refer to page D-38.
- Connecting cables for **IT/DP/MUX**
    905338: SPC cable with data button (1 m)
    905409: SPC cable with data button (2 m)
- USB Input Tool Direct
    06AFM380F: SPC cable for **USB-ITN-F** (2 m)
- Connecting cables for **U-WAVE-T**
    02AZD790F: SPC cable with data button (160 mm)
    02AZE140F: SPC cable for foot switch

Slider height adjustment wheel

Large clamp lever

Base that fits the hand comfortably

DIMENSIONS

0 - 300 mm (0 - 600 mm)   Unit: mm

15

12   35

507 (812)

70.2

113.2

9

10

32

80

59

72.6
(74.1)

122
(142)

160
(181)

D

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