Height Gage

A standard measuring tool of industry

ABSOLUTE Digimatic Height Gage SERIES 570 — Standard model

- ABS and INC measurement modes allow efficient operation.
- Rigid structure makes instrument suitable for use in severe work environments.
- The +/- measurement function widens the application range.
- 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 5,000 hours under normal use.
- Carbide-tipped scriber (900173 for 570-227 and 244, and 905200 for 570-230 and 248) is provided as a standard accessory. (Standard accessory: scriber clamp 901338 for 570-227 and 244, and 05GZA033 for 570-230 and 248)
- When a dial indicator or test indicator is used with **570-227**, the dedicated holding bar (**953639**, overall length 50 mm) is recommended for use. However, instrumental error may be larger because the measurement point is further from the beam.
- For precision Black Granite Surface Plates, refer to page E-46.

MeasurLink® ENABLED

Data Management Software by Mitutoyo



Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

Functions

Zero-setting +/- directional measurement Data hold Data output Presetting inch/mm reading (inch/mm models) Preset value memory Origin restoration Low battery voltage alert Counting value composition error alert

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

SPECIFICATIONS Metric

| Order No. | Range (mm) | Resolution (mm) | Fine feed (mm) | Accuracy (mm)* | Repeatability (mm) | Height (mm) | Mass (kg) |
|-----------|------------|-----------------|----------------|----------------|--------------------|-------------|-----------|
| 570-227 | 0 - 200 | 0.01 | 4 | ±0.03 | 0.01 | 355 | 1.4 |
| 570-230 | 0 - 1000 | 0.01 | 6 | ±0.07 | 0.01 | 1260 | 16.8 |
| C | | | | | | | |

570-227

* Excluding quantizing error of ±1 count

Inch/Metric

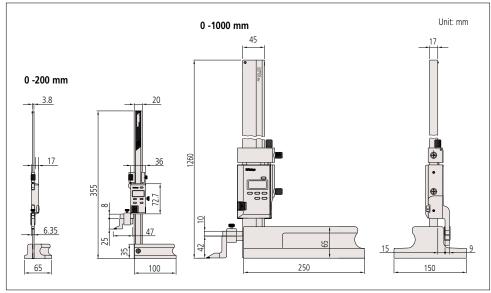
| Order No. | Range (in) | Resolution | Fine feed (in) | Accuracy (in)* | Repeatability (mm) | Height (mm) | Mass (kg) | | | |
|-----------|------------|-------------------|----------------|----------------|--------------------|-------------|-----------|--|--|--|
| 570-244 | 0 - 8 | 0.0005 in/0.01 mm | 0.16 | ±0.002 | 0.01 | 355 | 1.4 | | | |
| 570-248 | 0 - 40 | | 0.24 | ±0.003 | | 1260 | 16.8 | | | |
| | | | | | | | | | | |

* Excluding quantizing error of ±1 count



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DIMENSIONS







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