



DIGI-CHEK™ II Height Master

No. DHG Series

Ranges up to 85" and 2150mm

These are the world's fastest and most precise height masters, ideal for those who need the highest degree of accuracy over an extremely long vertical range.

- ◆ Can be used in the laboratory or on the shop floor
- ◆ Lower inspection cost by saving time – within 10 seconds the tool can be set into position
- ◆ The gage block stack is free-standing, so it will adapt to temperature differences in a reasonable time period
- ◆ 1" or 25mm range of adjustment
- ◆ Reverse reading block allows readings from the underside of the master gage blocks
- ◆ The large, remote digital readout can be placed in the most convenient location and adjusted for best readability
- ◆ The housing is heavy and extremely stable. It has hardened and lapped three-point bearings

1-85" range

| Capacity | Catalog No. | EDP No. |
|----------|-------------|---------|
| 1-25" | DHG 25. | 93265 |
| 1-37" | DHG 37. | 93266 |
| 1-49" | DHG 49. | 93267 |
| 1-61" | DHG 61. | 93268 |
| 1-73" | DHG 73.* | 93269 |
| 1-85" | DHG 85.* | 93270 |

25-2150mm range

| | | |
|-----------|------------|-------|
| 25-625mm | DHG 625. | 93271 |
| 25-1025mm | DHG 1025. | 93272 |
| 25-1225mm | DHG 1225. | 93273 |
| 25-1550mm | DHG 1550. | 93274 |
| 25-1800mm | DHG 1800.* | 93640 |
| 25-2150mm | DHG 2150.* | 93275 |

*Setup charge extra depending on location.

Standard equipment: pedestal stand for readout unit, DIGI-CHEK II plastic dust cover and wood shipping/storage case.

Note: The accuracy of the surface that supports the gage must be taken into account when determining the accuracy of any measurements.



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Simple, two step operation in less than 10 seconds. 1. Set rapid positioner (A) to within .005" (0.15mm) (3 seconds). 2. Final setting (5 seconds).

Optional Equipment

| Catalog No. | EDP No. | Description |
|------------------------|---------|---|
| HG 525.60 (Inch) | 92579 | Reverse Reading Blocks |
| HG 501.3M (Millimeter) | 91486 | |
| HG 525.61 (Inch) | 92577 | One inch or 25mm base blocks for use with reverse reading blocks to set dial bore gages |
| HG 501.4M (Millimeter) | 91487 | |
| CS 9133. | 92320 | Finished wood case for reverse reading and base block |

Specifications

| Description | Inch System | Metric System |
|---|---|--|
| Tolerance (Stack) Maximum: Minimum: | expressed in μ in. 2.5L + 10 L in inches | expressed in μ m .0025L + .25 L in mm |
| | - 10 | - .25 |
| Parallelism: Gage Surfaces to Base and Each Other | 15 μ in. | 0.4 μ m |
| Resolution | 10 μ in. or 20 μ in. | 0.5 μ m or 1.0 μ m |
| Repeatability of Readout | \pm 20 μ in. | 0.5 μ m or 1.0 μ m |
| Digital Readout | 1/2" high figures | 12.5mm |
| Readout Pedestal Height | 38" | 970mm |
| Power Supply | Switchable: 115 V 60 Cycle or 220 V 50 Cycle | |
| Certificate of Calibration (Extra Cost) | expressed in μ in. | expressed in μ m |
| Uncertainty of Calibration of Stack | 10 + 2.0L L in inches | .25 + .002L L in mm |
| Uncertainty of Calibration of Readout | \pm 30 μ in. | \pm 0.75 μ m |

μ = .00001 x unit of measure