

Gage Block Comparator GBCD-250

SERIES 565 — Manual Type Comparator with Dual Gage Heads

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FEATURES

- Gage blocks between 0.1mm and 250mm can be easily compared with the standard gage block on the GBCD-250.
- The differential dual gaging heads assure the operator of a high-accuracy measurement with ease of use.

SPECIFICATIONS

Inch/Metric	
Model No.	GBCD-250
Order No.	565-150A
Range	0.1mm - 250mm / .004 - 10"
Resolution	0.00001mm (0.01µm) / .000001"
Accuracy in narrow range (20°C)	$\pm(0.03+0.3L/1000)\mu\text{m}^*$ L = Gage block length (mm)
Measuring units	Laser Hologage (upper), Mu-checker (lower)
Operating condition	Temperature: 20°C \pm 1°C Humidity: 58%RH \pm 15%RH
Data output	Via SPC output port
Dimensions (W x D x H)	Main unit: 455 x 318 x 691mm Display unit: 345 x 397 x 187mm
Mass	Main unit: Approx. 50kg Display unit: Approx. 9kg

*Uncertainty of measurement is 95% (not including the calibration error of the standard gage block).



Optional Accessories

- 962723:** Gage head calibration kit
02ASD130: Square gage block holder kit
02ASF040: Heat protection shield
02ASD100: Gage block set for accuracy inspection PC System
02ASG610A: GBPAK-M*
 * Included: Software
 Foot Switch (**937179T**)
 MUX-10F (**264-002A**)
 Connecting cable (**936937**)

Gage Block Comparator GBCD-100A

SERIES 565 — Automatic Type Comparator with Dual Gage Heads

SPECIFICATIONS

Model No.	GBCD-100A
Order No.	565-160A
Resolution	0.00001mm (0.01µm) / .000001"
Range	0.5mm - 100mm / .02 - 4"
Measuring unit	Differential (dual-head) type Mu-Checker
Accuracy in narrow range (20°C)	$\pm(0.03+0.3L/1000)\mu\text{m}^*$ L = Gage block length (mm) *Uncertainty of measurement is 95% (not including the calibration error of the standard gage block).
Measuring force	Upper gage head: 1N (100gf) Lower gage head: 0.6N (60gf)
Air requirement	400kPa (4kg/cm ²)
Operating condition	Temperature: 20°C \pm 1°C Humidity: 58%RH \pm 15%RH
Dimensions (W x D x H)	Main unit: 710 x 366 x 783mm Electronic unit: 160 x 410 x 382mm
Mass	Main unit: 120kg Electronic unit: 14kg



Standard Accessories

GBPAK-A (software)

Optional Accessories

- 962723:** Gage block set for probe calibration
962764: Gage block holder for probe calibration
611615-02: 5mm gage block (glade 0) for origin setting
243989: Auxiliary stage (size: 360 x 253mm)
218-007: Work bench PC System

The GBCD-100A Automatic Gage Block Comparator is an easy-to-operate dual-head type gage block inspecting system. It automatically compares workpieces with a standard gage block and determines accuracies of such as central length, maximum length, minimum length, and parallelism through the operation of an optional personal computer.