Gage Block Comparator GBCD-250

SERIES 565 — Manual Comparator with Dual Gage Heads

FEATURES

- Gage blocks between 0.1mm and 250mm easily can be 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.	**565-151A**
Range	0.1mm - 250mm / .004 - 10"
Resolution	0.000001mm(0.01µm)/.0000001in(.1µin)
Accuracy in narrow range (20°C)	±(0.03+0.3L/1000)µm* L = Gage block length (mm)
Measuring units	Laser Hologage (upper and lower)
Operating condition	Temperature: 20°C ±1°C Humidity: 30% RH to 60% 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. 52kg Display unit: Approx. 9kg

* 95% confidence interval (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
02ASQ953: GBPAK-M
Supporting OS: Windows XP, Vista, 7, or 10
937179T: Foot Switch
936937: Connecting cable

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)	±(0.03+0.3L/1000)µm* L = Gage block length (mm)
Measuring force	Upper gage head: 1N (100gf) Lower gage head: 0.6N (60gf)
Air requirement	400kPa (4kgf/cm^2)
Operating condition	Temperature: 20°C ±1°C Humidity: 58%RH ±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

* 95% confidence interval (not including the calibration error of the standard gage block).



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

Standard Accessories

GBPAK-A (software)

Optional Accessories

516-146-E1: Gage block set for GBCD calibration