



Gauge Block Comparator GBCD-100A SERIES 565 — Automatic Comparator with Dual Gage Heads

Gauge block set for comparator calibration (optional)

Standard type 516-145-E2



516-145-E2

- Measures Rectangular Gauge Blocks and Square Gauge Blocks through automatic comparison with an appropriate Reference gauge block in the size range 0.5 mm to 100 mm.

- The measurement result is not affected by any warping of thinner gauge blocks due to the use of upper and lower gage heads (dual-head system).
- Measurement configuration: 1 cycle of automatic comparison measurement with a Reference gauge block.



SPECIFICATIONS

Metric

Range	Resolution	Accuracy (95% confidence interval)	Upper gaging head		
			Type	Measuring force	Contact point
0.5 mm - 100 mm	0.01 µm	±(0.03 + 0.3L/1000) µm* L=Gauge block length (mm)	Mu-Checker	0.8 N	Carbide contact point of radius 20 mm
Lower gaging head					
Type	Measuring force	Contact point	Operating conditions		
Mu-Checker	0.4 N	Carbide contact point of radius 5 mm	20 °C±1 °C Humidity: 58% RH ±15% RH (Under less temperature change, and hot or cold direct air flow should be avoided.)		

* Not including the uncertainty of reference gauge block and influence of temperatures.