



Gauge block set for comparator calibration (optional)

Standard type **516-145-E2**



516-145-E2

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

- Measures the length of rectangular gauge blocks in the size range 0.5 mm to 100 mm. It automatically compares a test block with an appropriate Reference gauge block.
- 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 in narrow range (20 °C)	Upper gaging head		
			Type	Measuring force	Contact point
0.5 mm - 100 mm	0.01 μm	$\pm(0.03 + 0.3L/1000) \mu\text{m}^*$ 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.