

104. Form

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Form testers Vertical Horizontal	10402	(0 ~ 50) mm (0 ~ 50) mm	$\sqrt{1.0^2 + (0.0027 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$ $\sqrt{0.08^2 + (0.0029 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge Block, Pitch Gauge /SRST-CI-10402
Optical flats	10405	(10 ~ 50) mm	0.084 μm	Monochromatic light, Optical flat/SRST-CI-10405
Optical parallels Flatness Parallelism	10406	$\varnothing(10 \sim 50) \text{ mm}$ $\varnothing(10 \sim 50) \text{ mm}$	0.084 μm 0.057 μm	Monochromatic light Optical flat, Gauge block comparator /SRST-CI-10406
Parallel blocks Flatness Parallelism	10407	(0 ~ 1 500) mm	1.5 μm 1.5 μm	Electronic micrometer /SRST-CI-10407
Precision surface plates	10408	(450 mm \times 300 mm) (900 mm \times 600 mm) (2 000 mm \times 1 000 mm) (3 000 mm \times 3 000 mm)	0.8 μm 1.8 μm 2.8 μm 3.7 μm	Level, electric /SRST-CI-10408
Roundness measurement instruments accuracy of spindle Detector accuracy Vertical Column's straightness	10410	(0 ~ 1) mm (0 ~ 1) mm (0 ~ 300) mm	0.020 μm 0.51 μm 1.7 μm	Roundness standard specimens, Squares/SRST-CI-10410
Straight edges Straightness Parallelism	10413	(0 ~ 2 000) mm	2.9 μm 2.6 μm	Electronic micrometer, Electric level/SRST-CI-10413