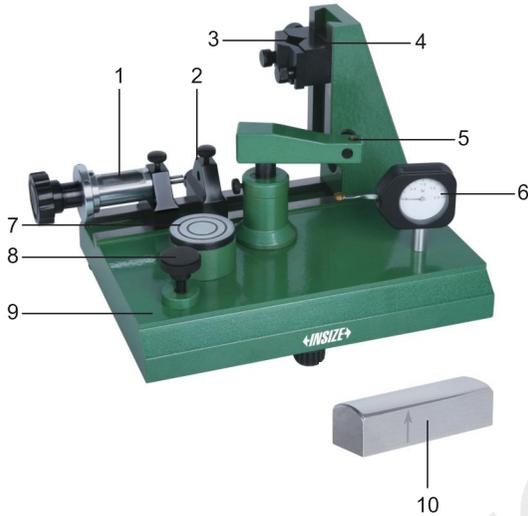




# OPERATION INSTRUCTION

## Dial Gage Tester

- 1-Micrometer stand
- 2-Stand for dial indicator Ø8mm
- 3-V clamp
- 4-Stand for bore gage
- 5-Stem hold Ø8mm
- 6-Force gage
- 7-Platform
- 8-Height adjustment (for force gage)
- 9-Base
- 10-Half round gage block (optional)



### Micrometer head

Range	Sampling interval	Accuracy	Hysteresis
0-25mm	0.1mm	4µm(0-25mm), 3µm(0-10mm), 2µm(0-1mm)	1µm

### Force gage

Range	Graduation	Accuracy
0-1.6N	0.05N	±5%(of load capacity)

### Platform

Diameter	Flatness	Roughness
50mm	1µm	0.05µm

### Half round gage block (optional)

Code	Parallelism
2396-block	1µm

The dial gage tester is used to calibrate dial indicators, test indicators and dial bore gages.

- 1. Micrometer head is used to inspect accuracy. Sampling interval is 0.1mm.
  - Inspect accuracy of dial indicators (range 0-25mm)



- Inspect accuracy of dial dial bore gages (range 6-450mm)



- Inspect accuracy of test indicators



2. Force gage is used to measure the test force of dial indicators. Measuring range is 0-1.6N.

- Measure the test force at the beginning, middle and end points of the dial indicators.
- Rotate height adjustment to lift dial indicators up and down.



3. Platform works with gage block to measure repeatability.

- Measure at the beginning, middle and end points of dial indicators. Measure 5 times at each position. Take the difference of each 5 measurements. The maximum difference is the repeatability.



4. Platform works with half round gage block to measure the effect of lateral force on accuracy.

- Push half round gage block to front, back, left and right sides. Take the maximum values. The difference of four maximum values is the effect of lateral force on accuracy. (Notice: during measurement, measuring point should be kept on half round surface)

