



# OPERATION INSTRUCTION

## Digital Internal Chamfer Gages

Code	Range	Dial indicator stroke	Dial indicator graduation	Accuracy
2147-4A	0~±5mm(adjustable)	5mm	0.01mm	±0.014mm
2147-4B	0~±5mm	10mm	0.01mm	±0.017mm
2147-21	0~±2mm(adjustable)	2mm	0.001mm	±0.006mm



- 1-Dial indicator
- 2-Meter head locking screw
- 3-Point
- 4-Dial locking screw
- 5-Handpiece

1. Measure height difference of two surfaces.

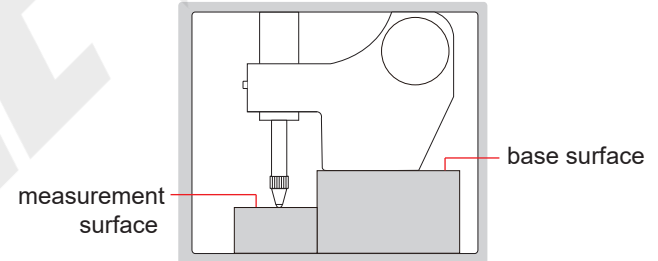
2. It is necessary to set zero on flat surface before measuring.

- Fully fit the base of the handpiece device with the flat surface, press the base firmly, and loosen the locking screw of the meter head to adjust the position of the dial indicator
- Compare the heights of the two planes of the measured workpiece, select the zero position of the dial height gage when the base surface is lower than the measurement surface, adjust the position of the dial indicator to point the small dial pointer to the left limit scale position; when the base surface is higher than the measurement surface, adjust the position of the dial indicator to point the small dial pointer to the right limit scale position;

- 2. after the adjustment is completed, tighten the meter head locking screw; after rotating the outer dial to the zero position, tighten the dial locking screw
- Complete zero setting operation. gage should be checked regularly to make sure that it can be properly set zero.

Note: When setting the code 2147-4B to zero, simply point the small dial pointer to the 0 position.

### 3. Application



4. Please pay attention to follow two points during measurement:

- Make sure there are no dust, cutting chips or other debris on the measuring faces and workpiece surface, otherwise, the measurement may be incorrect.
- Press the base and ensure that the force during zero alignment and measurement is uniform.