**Zero Point Adjustment**

To ensure operator safety, use this instrument in conformance with the directions and specifications given in this User’s Manual.

**IMPORTANT**
- Do not disassemble this instrument.
- Do not use and store this instrument at sites where the temperature will change abruptly. Prior to use, thermally stabilize the instrument sufficiently at a room temperature.
- Avoid storing this instrument in places where there is excessive moisture or dust, and using it at sites where it is directly subject to water or oil.
- Do not apply excessive force to this instrument or drop it.
- Be sure to perform the zero point adjustment before measurement.
- After use, wipe off dust, cutting chips, and moisture from this instrument, then apply rust preventative oil to it.

**How to Read**

1. Heat Insulating Plate
2. Frame
3. Spindle
4. Anvil
5. Sleeve
6. Thimble
7. Ratchet stop
8. Clamp
9. Counter
10. Wrench

**Digital Micrometer**
Part Number: 52-224 Series

**Name and Function of Each Part**

- Counter
- Thimble

**Zero Point Adjustment**

1) When the reading is correct on the counter and wrong on the thimble

1. If the deviation is less than 0.02mm:
   - Rotate the sleeve with the supplied wrench by the observed error as in the case for conventional micrometers. (Fig. 1)

2. If the deviation is over 0.02mm:
   - Remove the ratchet stop with the supplied wrench. Push the thimble outward to disengage it from the spindle, then rotate it to zero position. (Fig. 2)

**Safety Precautions**

- After use, wipe off dust, cutting chips, and moisture from this instrument, then apply rust preventative oil to it.
- Be sure to perform the zero point adjustment before measurement.
- Avoid storing this instrument in places where there is excessive moisture or dust, and using it at sites where it is directly subject to water or oil.
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