

METRIC MODELS

1. The digital readout clearly shows the reading of the micrometer to one decimal place. A dot is printed on the digital readout which represents the decimal point. A display of 204 is 20.4 millimeters. Note your micrometer can be read from the front or the back.

2. A vernier scale is standard on your micrometer allowing measurements to be taken to one hundredth of a millimeter. You simply add the number off the vernier scale which best aligns with a graduation of the thimble.

For example, if the "5" line of the vernier scale lined up best with a thimble graduation, you would add 0.05 millimeters to your reading, combining the readings of 1 and 2 above.

Reading 1

20.4 millimeters

Reading 2

0.05 millimeters

Total Reading

20.45 millimeters

5201/5207

**CENTRAL TOOLS, INC.
SPEEDMIKE
MECHANICAL DIGITAL
ROTOR MICROMETER**

CHECKING & ADJUSTING CALIBRATION

When checking the calibration of your micrometer, you will need the 1" or 25mm standard provided with the micrometer. You will need the .050" and 1/8" hex wrenches to make any adjustments.

1. Wipe the faces of the standard and the spindle to ensure clean gaging surfaces.
2. Open the micrometer slightly larger than the standard by turning the thimble.
3. Center one surface of the standard on the fixed anvil, and bring the spindle into contact with the other surface by rotating the friction thimble only. When the friction thimble slips, the windows should read 0-0-0- for the English micrometer or 2-5-0 for the metric. The vernier scale should indicate zero for either. If the setting is off, continue with the following steps to adjust the calibration.
4. Using the .050" hex wrench, loosen the set screw locking the anvil into the frame. With the 1/8" hex wrench, adjust the anvil slightly and repeat steps 2 & 3. Repeat the process until the setting is correct. Retighten the locking set screw. Calibration is now complete.

***FURTHER FIELD ADJUSTMENT IS NOT RECOMMENDED**

The manufacturer offers a reasonably priced refurbished and calibration service. Do not disassemble your micrometer. Return it to the factory for service.

CARE

Under normal use this precision tool requires no special maintenance. Keep the tool clean and treat it with normal respect. Your micrometer will work accurately and faithfully. More damage is done by unnecessary adjustment and investigation of its ingenious mechanism than by years of normal use. This tool is more like a fine watch than a conventional micrometer.

HOW TO READ YOUR SPEEDMIKE

INCH MODELS

1. The digital readout clearly shows the reading of the micrometer to three decimal places. A display of 113 is 0.113 inches. Note your micrometer can be read from the front or the back.
2. A vernier scale is standard on your micrometer allowing measurements to be taken to one ten thousandth of an inch. You simply add the number off the vernier scale which best aligns with a graduation of the thimble.

For example, if the "4" line of the vernier scale lined up best with a thimble graduation, you would add 0.0004 inches to your reading, combining the readings of 1 and 2 above.

Reading 1	0.113 inches
Reading 2	0.0004 inches
Total Reading	0.1134 inches