Reading the Micrometer

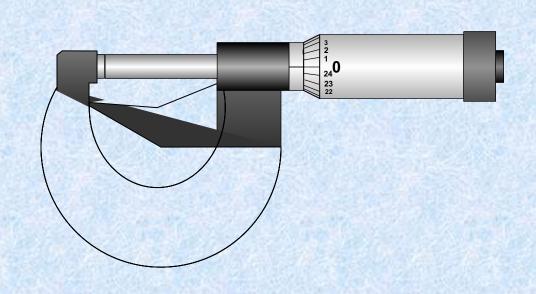
Objectives

- Identify micrometer parts
- Determine micrometer reading

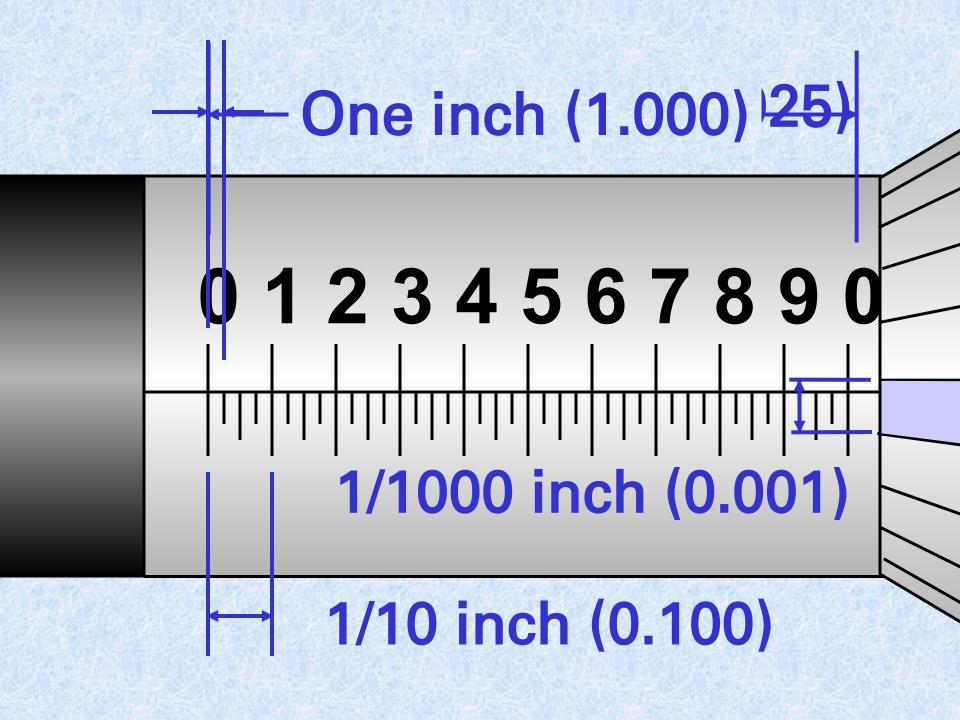
This is a English micrometer



For clarity we will use an animated figure.



Let's take a close look at the sleeve of the micrometer.

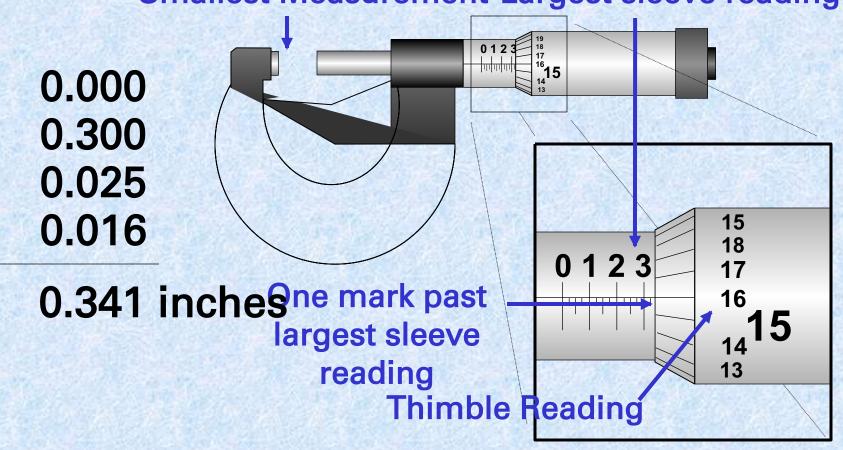


Now, an example...



Now, an example...

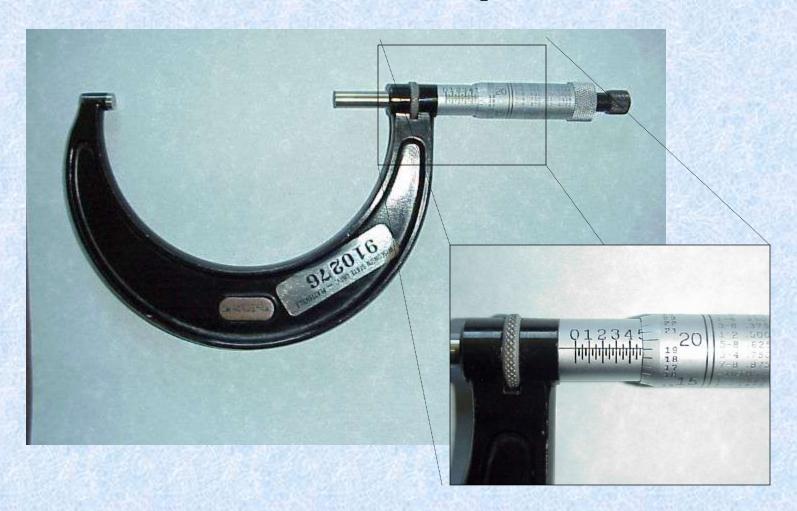
Smallest Measurement Largest sleeve reading



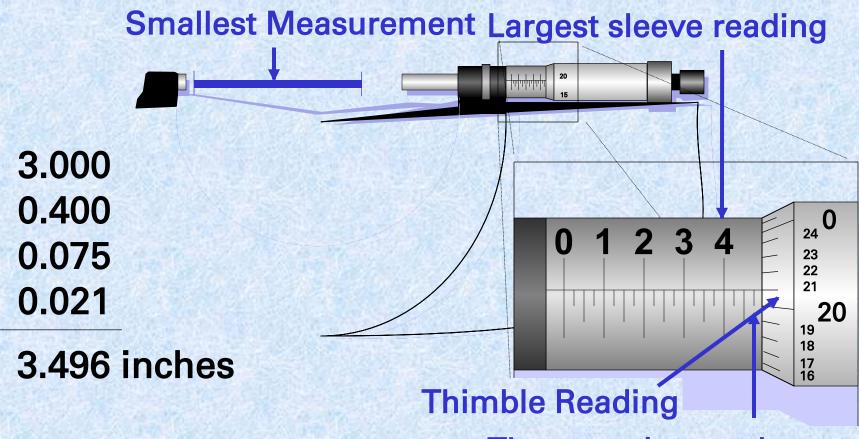
A digital micrometer



Another example...



Another example...



Three marks past largest sleeve reading

Review...

- Lightly tighten on object.
- Determine smallest measurement when micrometer is closed.
- Find largest visible number on sleeve and multiply times 0.100.

Review...

- Count number of marks past largest visible number on sleeve and multiply times 0.025.
- Multiply thimble reading times 0.001.
- Add all numbers to get answer.