






QUICK GUIDE:

Micrometer Experiment

1. Click on the thumbscrew and drag down to open the micrometer.
2. Click and drag a sample into the gap so it snaps into place.
3. Click the thumbscrew and drag it up to close the micrometer around the sample.
4. Read width from scale (see across).
5. To change samples, open the micrometer and drag the loaded sample back to its original position. Any other sample can then be loaded.

Open the menu using ☰ to allow:

-  Return to experiment (from questions)
-  New set of samples
-  Click information (show what can be clicked)
-  Experiment questions (check your measurements!)
-  Revision questions (different every time!)

To read the micrometer scale (see full instructions for more details):

- Find the largest valued tick mark on the main scale that is revealed from behind the rotating thumbscrew. This gives an initial value to the nearest half millimetre of the sample width.
- Locate the tick mark on the rotating scale that most closely aligns with the main scale axis. This gives a value from 0 - 49 in hundredths of a millimetre.
- Add the values from the above steps to find the overall sample width, i.e. 3.5 from the first measurement and 0.20 from the second gives a final width of $3.5 + 0.20 \text{ mm} = 3.70 \text{ mm}$

