

QUICK GUIDE:

Tensile Test Experiment

To select a sample:

- Click the lower jaw to go to the sample view.
- Open the calliper jaws, drag a sample of choice between the jaw and fully close the jaws around it.
- Use the Vernier scale to measure the sample width.
- Click the green-and-white *Confirm* button to load the sample into the *tensile testing machine*.
- Or open the callipers, return the sample to its original position and choose another sample.

Open the menu using  to allow:

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

To set the strain increment:

- Click the *Set* button (display starts to flash).
- Use the keypad to enter the desired *Step* value.
- Click the *Set* button again (display stops flashing).

To apply strain to samples:

- Set the strain increment value as described above.
- Click the up arrow to increase the applied strain by the *Step* increment value.
- Click the down arrow to decrease the applied strain by the *Step* increment value.
- Measure (and record) the applied load (force) using the needles on the *Load dial*.
- Turn off the *strain control unit* and click on the lower sample holder to select a new sample.

