



THE LAB EQUIPMENT

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**Product Name :**

Viscosity And Particle Drag

**Product Code :**

SLE/EFM/11



## Description :

- The Viscosity and Particle Drag apparatus is a simple falling-sphere viscometer.
- The self-standing unit holds two glass tubes filled with the test fluids, for comparisons and to minimise draining and refilling of the fluids after experimentation.
- They drop the sphere into the test fluid at the top of the glass tube.
- They then use a stopwatch to measure the time taken for the sphere to fall a set distance down the tube.
- The back plate has a low-voltage backlight so students can easily see the test spheres through the fluid.
- Students fill the two tubes with their chosen test fluid, then select a sphere of the correct density and size for the fluid.
- The valve system minimises the fluid loss from the tube and helps when draining the tube after the tests are complete.
- The shapes must fit through the valve at the base.
- Suitable test fluids include water, thin machine oil, castor oil and motor oil.

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