



55903 Experimental Set Up has been designed specifically to determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

The set up is absolutely self contained and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

Object

1. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body .

Features

The Experimental Set-up consists of the following:

- Long cylindrical glass jar height about one meter with fitted on triangular stand.
- Transparent viscous fluid (Glycerin) One Liter
- Spherical ball QTY. 40Nos. (Dia 6 & 8mm 20 Pcs each)
- Screw gauge
- Vernier calipers
- Digital Timer One Channel

Specification

- ♦ START operation by Input - I
- ♦ STOP operation by Input - II
- ♦ RESET by a push button.
- ♦ RANGE : 999.9 Seconds
- ♦ RESOLUTION : 0.1 Second
- ♦ ACCURACY : $\pm 0.01\%$ (Quartz controlled)
- ♦ DISPLAY : Four 12.5 mm bright Seven Segment display.
- ♦ POWER REQUIREMENT : 230V AC $\pm 10\%$ at 50Hz
- ♦ Strongly supported by detailed Operating Instructions.
- Weight : 2.00 Kg. (Approx.)
- Dimension : W145 x H140 x D 200mm

Note: Specifications are subject to change.