

**TO DETERMINE THE COEFFICIENT OF
VISCOSITY OF A GIVEN VISCOUS LIQUID
BY MEASURING TERMINAL VELOCITY
OF A GIVEN SPHERICAL BODY**

OMEGA TYPE ES-403

OMEGA TYPE ES-403 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:-

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:

- 1 Long cylindrical glass jar height about one meter with fitted on triangular stand.
- 2 Transparent viscous fluid (Glycerin) One Liter
- 3 Spherical ball QTY. 40Nos.(Dia 6 & 8mm 20 Pcs each)
- 4 Screw gauge
- 5 Vernier calipers
- 6 Keep Plastic Size 4"
- 7 DIGITAL TIMER ONE CHANNEL (FOR ES-403)
Specification
 - 7.1 START operation by Input - I
 - 7.2 STOP operation by Input - II
 - 7.3 RESET by a push button.
 - 7.4 RANGE : 999.9 Seconds
 - 7.5 RESOLUTION : 0.1 Second
 - 7.6 ACCURACY : $\pm 0.01\%$ (Quartz controlled)
 - 7.7 DISPLAY : Four 12.5 mm bright Seven Segment display.
 - 7.8 POWER REQUIREMENT : 230V AC $\pm 10\%$ at 50Hz
 - 7.9 Strongly supported by detailed Operating Instructions.
- 08 Weight : 2.00 Kg. (Approx.)
- 09 Dimension : W145 x H140 x D 200mm

ACCESSORIES: NIL



We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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