FADAK LAB EQUIPMENTS

FAL-008 FALLING BALL VISCOMETER

RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To study the Falling Ball Viscometer
2. To determine Viscosity of given lubricating oil

TECHNICAL DESCRIPTION :

The apparatus consists of a hardened steel ball and a cup in the hollow steam (made of ebonite) in which the thermometer is placed. Complete contact of the ball with the cup prevented by three small projections on the surface of the cup which serve to give a constant thickness of the film. A few drops of oil are placed in the cup & the ball put in position & pressed in. when the oil fills the intervening hemispherical shell. The instrument is then field vertically by the knob & the stop watch started. Time taken by the ball to fall divided by the instrument constant gives the viscosity.

DIMENSIONS AND WEIGHT :
Size :0.4 m.(L)x 0.4 m(W) X 0.4m (H)
Weight :Approx. 4 Kg

SERVICE REQUIRED : Lubricating Oil : 1 ltr

SCOPE OF DELIVERY:
1. Experimental Setup
2. Instructional Manual

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