**TOM-007** **CORIOLLI'S COMPONENT OF ACCELERATION APPARATUS**

corolis component apparatus

**RANGE OF EXPERIMENTS TO BE CARRIED OUT:**

1. To Measure the various parameters comprising the coriolli's component of acceleration.
2. To calculate the coriollis components of acceleration
3. To calculate the torque supplied by motor.

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## TECHNICAL DESCRIPTION:

The apparatus consist of two brass tube, projected radially from central Perspex header tube, are rotated by direct D.C motor, mounted vertically in a ball bearing housing. The torque supplied by the motor is measured by a voltmeter and ammeter provided in the central panel. The speed of rotation of the motor is measured by RPM meter. Water from the pump flows to the header tube through the flow control valve. A rotameter is provided to measure the water flow rate. The water leaving the radial tubes returns to the via pump via sump. The splash tank and all the accessories mounted on the fabricated frame

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**DIMENSIONS AND WEIGHT** :

Size :1.0 m.(L)x 1.0 m(W) X 1.5m ( H )

Weight :Approx. 65 Kg

**SERVICE REQUIRED :**

230 v Ac Supply 50 Hz

Water : 100 ltrs

**SCOPE OF DELIVERY**:

1. Experimental Setup
2. Instructional Manual

**OPTIONAL FACILITY**: Data logging Facility

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