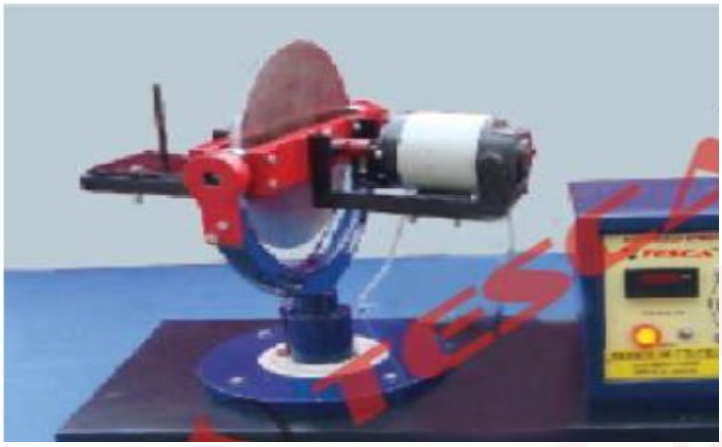

DESCRIPTION:

- The apparatus is used for studying relationship between gyroscopic torque, rotor speed and rate of precession.
- The equipment consists of a steel rotor with a small motor, counter weight, precession motor, and instruments for measurement of speeds and counter weight distance.
- The rotor is mounted horizontally on a frame with two bearing supports.
- The frame has a horizontal screw for installation of counter weight to provide a torque.
- The frame rests on a vertical shaft driven by the precession motor.
- A guard with transparent front is provided for safety.

SPECIFICATION :

- familiarization with a gyroscopeinvestigate a guided gyro adjustment of the speed along the rotation axis adjustment of the speed along the precession axis
- determine the gyroscopic moment digital display of speeds along the rotation axis and the precession axis
- protective cover with release for the drive ensures safe operation

TECHNICAL DETAILS :

- Slider weight mass : 90 g
- Slider weight radius : 0 - 95 mm
- Adjustable moment : 0 - 60 Nmm
- Gyro moment of inertia : 0.000459 kgm2
- Gyro rotational speed : 1000 - 4000 rpm
- Frame rotational speed : 5 - 63 rpm
- Gyro rotational speed measurement (precession)
- Display : 8 digit LCD
- Frame rotational speed measurement (gyroscope)
- Display : 8 digit LCD
- Power supply : 230 V ~ / 50 Hz

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.