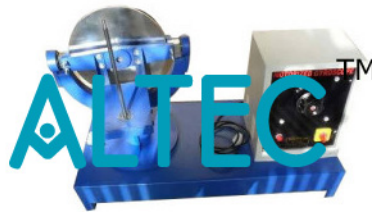


Product Name :
Motorized Gyroscope**Product Code :**
ALABS-A104-094**Description :****Motorized Gyroscope**

The set up consists of heavy disc mounted on a horizontal shaft, rotated by a variable speed motor. The rotor shaft is coupled to a motor mounted on a trunion frame having bearings in a yoke frame, which is free to rotate about vertical axis. A weight pan on other side of disc balances the weight of motor. Rotor disc can be move about three axis. Torque can be applied by calculating the weight and distance of weight from the center of rotor. The gyrosopic couple can be determined.

Experiments :

- Experimental justification of the equation $T = 1 w. wp$ for calculating the gyrosopic couple by observation and measurement of results for independent vibrations in applied couple T and precession wp.
- To study the gyrosopic effect of a rotating disc
- Observation of gyrosopic effect of rotating disc

Utilities Required :

- Electric supply: 230 V AC, Single Phase.
- Bench area: 1m x 1m



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