



Key Features

The Laboratory Gyroscope System is a precision-engineered educational and experimental apparatus designed to demonstrate gyroscopic motion, angular momentum, torque, and precession effects. The unit is supplied as a 2-set configuration, making it suitable for laboratory demonstrations, physics experiments, and engineering training applications.

The system integrates a high-speed gyro-drive motor and a precision-axis motor to enable controlled experimentation across a wide range of rotational speeds and torque conditions.

2. Technical Specifications

2.1 Gyroscope Assembly (Per Set)

Parameter	Specification
Quantity	2 Sets
Gyro-drive Motor Power	3.6 W
Moment of Inertia of Gyroscope	375 cm ²
Speed of Rotation Axis	1000 – 6000 min ⁻¹
Gyroscope Moment	0 – 61 N·mm

2.2 Precision Drive System

Parameter	Specification
Precision-drive Motor Power	19 W
Speed of Precision Axis	5 – 63 min ⁻¹

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



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2.3 Electrical Specifications

Parameter	Specification
Supply Voltage	230 V
Frequency	50 Hz / 60 Hz
Phase	1 Phase
Certification	UL / CSA (Optional)

2.4 Mechanical & Physical Data

Parameter	Specification
Dimensions (L x W x H)	420 x 400 x 310 mm
Weight	Approx. 22 kg.

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