MM 440 GYROSCOPE, Two Motors

GENERAL 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 via a belt. A guard with transparent front is provided for safety.

Instruction manual is also included.

EXPERIMENT CAPABILITIES

- Gyroscope torque vs processional speed.
- Rotor speed vs gyroscope torque.
- Determination of systems moment of inertia and nutation study.

TECHINCAL DATA

• Rotor motor	:	DC motor
• Rotor speed	:	Up to 4000 rpm
• Precession motor	:	DC geared motor
• Precession speed	:	Up to 60 rpm
• Speeds	:	Rotor and precession.
• Balancing weights	:	1 lot
• Steel ruler	:	1 ea.
• Power supply	:	220V, 1 Ph, 50 Hz. Other power supply is available on request.

Net (unpacked) shipping dimensions WxLxH : 45 x 45 x 40 cm
Net weight : Approx. 30 kg

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