



THE LAB EQUIPMENT

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**Product Name :**

Rotational Moment of Inertia Apparatus

**Product Code :**

SLE/MCE/30



## Description :

### Descriptions:

- This apparatus uses the three-string pendulum method to determine the moment of inertia of a rigid body.
- A photoelectric sensor combined with a time counting device is used to measure the torsional oscillation period of a hanging plate.
- Through the experiments, students can understand the physical principle of the moment of inertia and learn the measurement method with factors related to the amount of moment of inertia.
- Moment of inertia is a physical quantity for the representation of the inertial amount of a rotational object.
- It is dependent on the mass distribution and the shaft position of the rigid body.