



THE LAB EQUIPMENT

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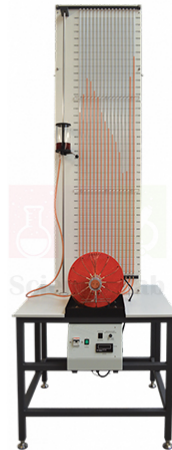
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Product Name :

Journal Bearing Demonstration

Product Code :

SLE/ETM/03



Description :

- This floor-standing apparatus allows students to study the performance of a journal bearing during different test conditions.
- Students load the bearing by attaching weights to arms connected to the bearing.
- Display shows the motor speed.
- A control unit adjusts the motor speed, which can run in both directions.
- The clearance is especially large to clearly show the oil in the bearing.
- Supplied with the equipment is a container of suitable oil.
- An adjustable reservoir supplies oil to a low pressure region at both ends of the bearing.
- It is a plain steel shaft encased in a clear acrylic shell and directly driven by an electric motor.
- The bearing is freely supported on the motor shaft and sealed with a rubber diaphragm.
- The bearing contains 12 equi-spaced pressure tappings around its circumference and four additional ones along its topside and on a vertical radial plane.
- All are connected by light and flexible plastic tubes to the rear manometer panel, to clearly show the pressure head of oil at all 16 points at all times.

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