

## MM 445 CENTRIFUGAL FORCE APPARATUS



*Photograph includes optional equipment*

### GENERAL DESCRIPTION

The apparatus is used for studying the relationship between centrifugal force, rotating mass and its distance from the axis of rotation. Each factor can be investigated separately.

The apparatus consists of a drive motor with a speed controller, a frame for rotating arm, masses, and instruments for measurement of centrifugal force and speed. The frame is driven by a motor via a belt. The centrifugal force from a known mass on the arm is transmitted via a lever to a load cell located above the frame. A guard with transparent front is provided for safety.

### TYPICAL EXPERIMENTS

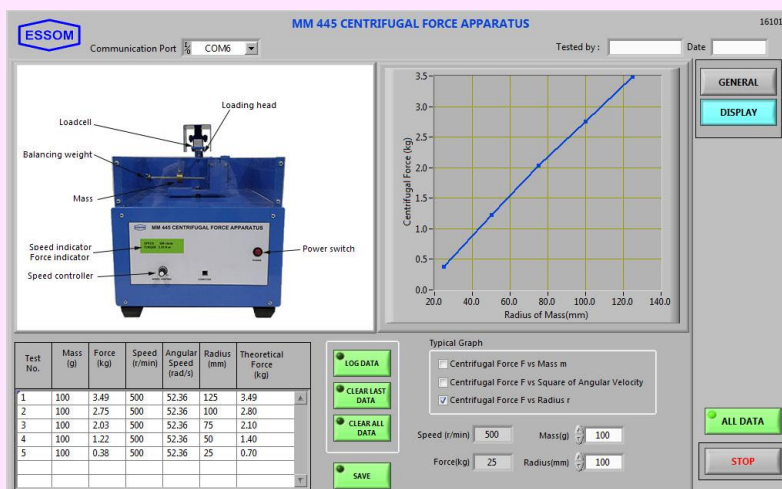
- Centrifugal force vs. mass.
- Centrifugal force vs. angular velocity.
- Centrifugal force vs. radius.

### TECHINCAL DATA

- Rotating radius : Upto 125 mm.
- Rotating masses : 1 lot.
- Rotating speed : 0-600 rpm.
- Measuring instruments : Speed and force digital display.
- Power supply : 220 V, 1 Ph, 50 Hz. Other power supply is available on request.

### OPTIONAL EQUIPMENT

- MM445-050 Computer Interface  
Computer interface unit, and software for data display and analysis by computer (separately supplied).



**Net (unpacked) shipping dimensions WxLxH** : 45 x 45 x 55 cm  
**Net weight** : Approx. 40 kg