

OSC 77FD431MM Slipping Friction Apparatus

<Features>

- This is a bench top apparatus for determination of sliding friction coefficient using an oscillating bar
- A round bar is placed on two counter turning pulleys driven by a variable speed motor
- The distance between the two pulleys is adjustable



<Typical Experiments>

- Coefficient of friction vs speed for different types and sizes of materials

<Specifications>

Model	OSC 77FD 431MM
Wheel center distance	200~350 mm
Specimen length	600 mm
Motor	0.55 kW
Speed control	Inverter
Oscillation measurement	Counter and stop watch
Specimens	Solid bar : mild steel, brass, aluminum 1 ea
Power supply	220V 1Ph 50Hz Other power supply is available on request
Size (WxLxH)	Approx. 450 x 1200 x 450 mm
Weight	Approx. 59kg

OSC 77FD445MM Centrifugal Force Apparatus

<Features>

- 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, 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 transparent guard is provided for safety



<Typical Experiments>

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

<Specifications>

Model	OSC 77FD 445MM
Rotating radius	25~125 mm
Rotating masses	50, 75, 100 g
Motor	25W, geared motor with speed controller
Rotating speed	0~600 rpm
Speed measurement	Speed sensor and indicator
Force measurement	Load cell and indicator
Power supply	220V 1Ph 50Hz Other power supply is available on request
Size (WxLxH)	Approx. 450 x 450 x 550 mm
Weight	Approx. 40 kg