

CIRCULAR MOTION APPARATUS

Enables investigation of a wide range of phenomena in rotational mechanics.

LOW FRICTION TURNTABLE

For use with the extensive selection of accessories available. Consists of a wood platform on low friction bearings free to rotate in a horizontal plane. Fitted with a driving pulley and mounted on a stable base. The table surface is drilled with a series of holes for attaching accessories.

P16-1000 Low Friction Turntable

Accessories

FRACTIONAL HORSEPOWER MOTOR

12V d.c. shunt-wound motor, mounted on a baseboard fitted with 2 pairs of 4mm socket terminals, which are connected separately to the field and armature windings. Motor rating 12V d.c., 50W, maximum speed 4000 rpm.

P53-2000 Motor with Gearbox

PLAIN DISC

This is a disc having the same diameter and mass as the turntable and is used in moment of inertia experiments.

P16-1200 Plain Disc

TRIPLE PULLEY

With this accessory a constant torque may be applied to the table to obtain angular acceleration. Various methods may be used, the simplest being a pulley system and a falling weight or a pull dynamometer. The force can be applied via ticker tape or nylon cord wound around any of the three concentric pulleys.

P16-1300 Triple Pulley

ALUMINIUM DISC

For use with magnet **P61-3100** and turntable to illustrate the effects of eddy current damping. This disc has the same diameter as the turntable.

P16-1400 Aluminium Disc

ANGULAR MOMENTUM ACCESSORIES

Consists of ramp, steel ball, catching cups, arm and balance weight. Used for conducting experiments when a constant amount of kinetic energy needs to be imparted to the table. This is achieved by releasing the ball from a given point on the ramp and allowing it to be caught in a cup. The ramp should be supported in retort stands.

P16-1500 Angular Momentum Accessories

TIME MEASUREMENT

- From milliseconds to hours using our comprehensive range of timers.
- The range includes both mechanical and electrical timers to suit most experiments.



P16-1000



P53-2000



P16-1200



P16-1300



P16-1400



P16-1500