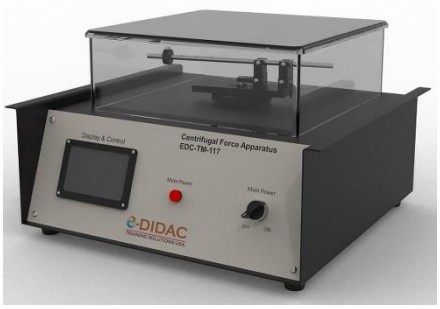
Centrifugal Force Apparatus

(EDC-TM-117)

EXPERIMENTAL DATA:



- Study of centrifugal force as function of:
  - Speed.
  - Size of rotating mass.
  - Rotating radius.

DESCRIPTION:

In mechanics, the centrifugal force is an inertial force that seems to act on all objects when observed in a rotating frame of position. It is engaged away from an axis which is parallel to the axis of rotation and passing through the coordinate system's origin. Apparatus contains a rotating arm on a vertical rotation axis. Different masses can be attached to arm. Orbital radius can also be change by changing the position of mass on arm.
Optional Software is available for Data Acquisition and Control Function.

SPECIFICATIONS:

- Change of orbital radius.
- Different masses.
- Speed regulation.
- Study of centrifugal force.
- LCD for display and control
- Protective cover for safety.

TECHNICAL DATA:

- Motor:
  - 100W.
  - 6000 RPM.
- Orbit:
  - 25mm, 50mm, 75mm, 100mm, 125mm.
- Force sensor:
  - 25N max.
- 230V, 50Hz, 1 phase.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 450 X 400 X 300 approx.
- Weight: 25 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-TM-117.
- 1 x Instructional Manual.