



CORIOLIS FORCE

RD 083

Description:

Coriolis force or Coriolis effect is a pseudo force which causes a deviation of moving objects to the out of a straight line direction, from the vision of an observer inside the rotating machine. The RD 083 experimental unit is designed to clearly demonstrate the effect of the Coriolis force in a rotating reference system. A transparent water tank with submersible pump is placed on a rotatable arm and then rotated. Within the rotating reference system, the pump produces a water jet in a radial direction.

Specifications:

- Water tank
- Rotational speed sensor
- Rotational arm
- Pump
- Electro motor with adjustable speed
- Brushless
- Electro pump for nozzle fluid supply
- Rotational speed adjustment
- Electrical control panel with displays and switches
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Visualization of the Coriolis force effect
2. Investigating the effect of rotational speed on Coriolis force
3. Investigating the effect of rotational direction on Coriolis force

Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%
- Distilled Water
- Table



CORIOLIS FORCE

RD 083



Dimensions (L*W*H) mm: 800×500×800

www.radmansanatco.com