MAXWELL'S WHEEL MECHANISM

RM 342

Description:

Maxwell's wheel is a metal wheel with a shaft passing through its axis, and two thin threads are attached to the shaft of this wheel, which can be wrapped around the axis. If we wrap the two threads attached to the wheel around its axis and fix the two free ends of the threads to two points, when the wheel is released, it starts to fall, and while falling, the threads are loosened around the axis and causes the wheel to rotate around its axis too. If we consider the initial point where we dropped the wheel, the source of zero potential energy, while the wheel falls, it has both rotational and translational motion. In this experiment, we can calculate the moment of inertia of Maxwell's wheel by using the law of conservation of mechanical energy.

Specifications:

- Maxwell wheel
- Holding and releasing mechanism
- Time calculation system with electronic sensors and time display with millisecond accuracy
- The ability to adjust the height of the fall
- Carbon steel structure
- 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. Calculation of the moment of inertia of Maxwell's wheel
2. Investigating the conservation of mechanical energy

Required For Operation:

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

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Dimensions (L*W*H) mm: 600×400×1700