IVESTY

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IV-E246 For The Measurement Of The Time Of Fall Of A Steel Ball To Determine The Value Of “G” (G By Free Ball)

Specification :

- Consists of an electromagnet housed in a plastic molded case with connections for an external timer, with a heavy steel sphere, and a platform unit. For determination of 'g' (the gravitational acceleration) by free fall method. The apparatus consists of an electromagnet which is housed in a plastic molded case with 4 mm socket connections provided to energize the magnet and another pair of sockets for connection to a timer in use. To perform the experiment, an electromagnet is energized and a metal sphere is attached. As soon as the power to the electromagnet is switched off the sphere falls and the unit activates the timer. When the sphere hits the platform, which is connected to a micro switch, the timer stops and the time of fall can be determined.

Apparatus Required:

- Electromagnet Unit
- Gate Unit
- Digital Timer
- Retort Stand With Rod (Graduated Scale on Rod)
- Steel Ball 18mm
- Patch Cords