

**Experiment(s):**

1. Determination of acceleration due to gravity

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

Reference : *Lab Experiments Journal vol-12, No.2, Page-122*

**Experiment setup consists:**

- a) Simple pendulum stand
- b) Digital stop clock
- c) Oscillation counter (Optional)

**Specifications:****a) Simple pendulum stand**

Base: Heavy mild steel  
Support rod: Stainless steel  
Bob: Brass (25 mm)

**b) Digital stop clock (Optional)**

Range: 0-999.9 sec  
Resolution: 0.1 sec  
Time measuring: Manual start/stop  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz

**c) Oscillation counter (Optional)**

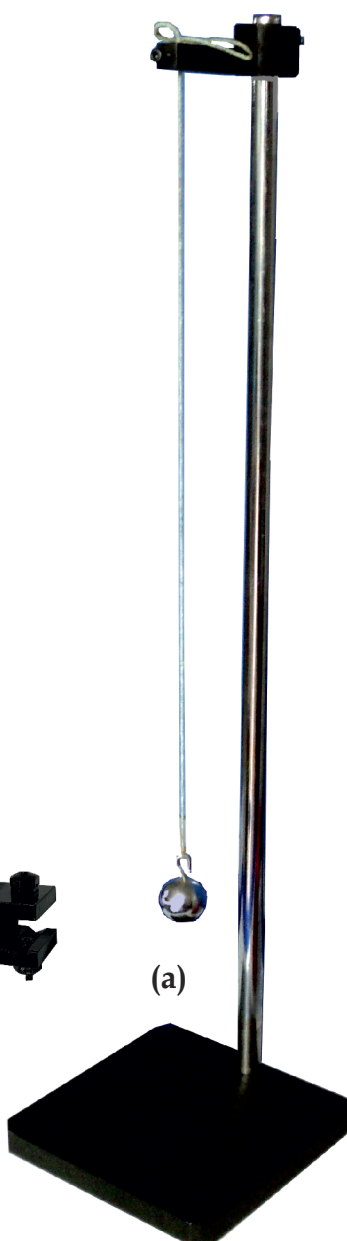
Range: 0-999.999 sec  
Resolution: 0.001 sec  
Time measuring: Based on input from single start/stop sensor  
Reset: Manual  
Counts number of oscillation and time period for the oscillation  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz



(b)



(c)



(a)



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