

Experiment(s):

1. Determination of acceleration due to gravity

(For more details, procedure & manual visit: www.kamaljeeth.net)

**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
Power: AC 220V/50Hz or
AC 110V/60Hz

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
Power: AC 220V/50Hz or
AC 110V/60Hz

Reference : Lab Experiments Journal vol-15, No.3, Page-195



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