ATWOOD APPARATUS

Model : AWM-201/128

Experiment(s):

1. Determination of acceleration due to gravity
2. Verify Newton's II law of motion

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

Experiment Setup Consists:

a) Atwood Machine

b) Time interval clock

c) Electromagnet & weights

Specifications:

a) Atwood Machine
Length: 1.5m
Pulley: Wheel mounted on low resistance free rolling bearing
Number of Sensors: 2
Position adjustment for sensor: Yes
Levelling Screw for Base: Yes

b) Time interval clock
Range: 0-999.9 Sec
Resolution: 0.1 Sec
Time Measuring: Based on Inputs from Start Sensor and Stop Sensor
Reset: Automatically on interrupting start sensor
Power: AC 220V/50Hz or AC 110V/60Hz
Power Consumption: <50W

c) Electromagnet & Weights
Electromagnet for release of weights from still
Balancing weights: Slotted weights tied end-to-end, Pair of 5x50gms

Reference : Lab Experiments Journal vol-11, No.2, Page-124

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