Experiment(s):

1. Verification of Newton's law of cooling

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

Experiment setup consists:

a) Copper calorimeter insulated by acrylic
b) Digital stop clock
c) Digital thermometer
d) Electric kettle
e) Digital balance (optional)

(b)

(a)

(e)

(d)

Specifications:

a) Copper calorimeter
Copper vessel insulated on all sides
Stirrer: Manual

b) Digital stop clock
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
Power consumption: <20 W

c) Thermometer
Type: Digital, probe type
Range: 300 °C
Resolution: 0.1 °C

d) Heating kettle
Electric kettle for boiling water
Max. temperature: 100 °C
Capacity: 500 ml

e) Digital Balance (Optional)
Pocket type
Power: Battery operated
Max Weight: 200 g
Resolution: 0.01 g

KAMALJEETH INSTRUMENTS

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