

Experiment(s):

1. Determine the specific heat of liquids

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

Reference : Lab Experiments Journal vol-11, No.1, Page-24

Experiment setup consists:

- a) Bulb/Joule's calorimeter
- b) Digital stop clock
- c) Battery eliminator
- d) Digital current meter

Specifications:

a) Bulb/Joule's calorimeter

Container: Copper vessel insulated on all sides
 Bulb: Tungsten filament bulb painted in thick black heat resistant paint
 Stirrer: Built in electric motor

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) Battery eliminator

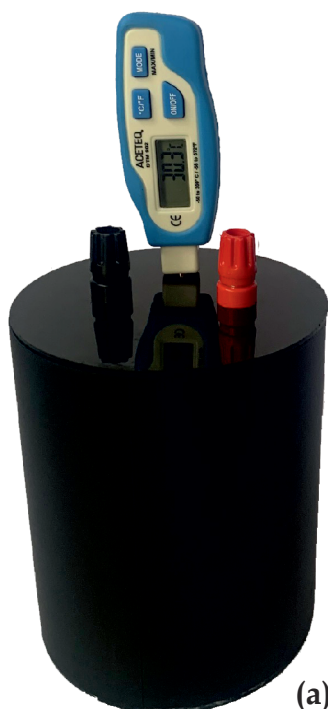
Output: Regulated DC output
 Voltage: Selectable (1.2, 2, 4, 6, 8, 10, 12 V)
 Max Current: 2 A
 Key: Built in switch
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz

d) Digital current meter

Range: 0 - 2 A
 Resolution: 0.001 A
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz
 Power consumption: <20 W
 Cabinet: Acrylic body, aluminium bottom



(b)



(a)



(d)



(c)



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3 years manufacturing warranty