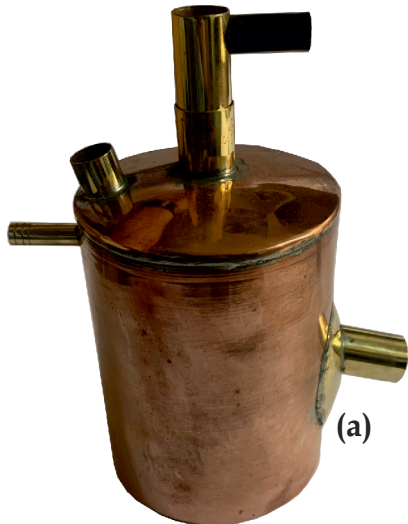


**Experiment(s):**

1. Determine the specific heat of solids

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

Reference : *Laboratory manual in Physics I-PUC by Sharmista Sahu, 1998, Page -28*

**Experiment setup consists:**

- a) Regnault's apparatus
- b) Digital stop clock
- c) Steam generator
- d) Digital thermometer
- e) Digital balance (optional)

**Specifications:**

**a) Regnault's apparatus**  
Copper chamber with steam inlet and outlet  
Provision for thermometer: Yes

**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) Steam generator with heater**  
Capacity: 1.5 L  
Output: Approx. 1 L/hr  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz  
Power Consumption: <1000 W  
Socket: 5 A, 3 Pin mains cord  
Rubber tube: 6 mm, 1 m length

**d) Thermometer**  
Type: Digital, Probe type  
Range: 300 °C  
Resolution: 0.1 °C

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



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