

THERMISTOR RESISTANCE VARIATION

Model: TRV-1101/129

Experiment(s):

1. Determination of thermistor resistance variation with temperature and energy gap

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

Reference : *Lab Experiments Journal vol-11, No.3, Page-205*

Experiment setup consists:

- Thermistor resistance variation kit
- Digital thermometer
- Kettle and stand

Specifications:

a) Thermistor resistance variation kit

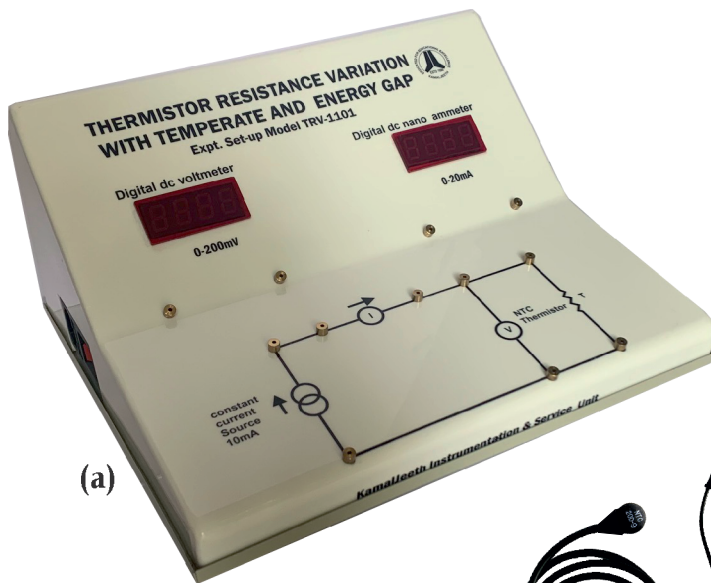
Voltmeter: 0-200 mV, 3½ digit, LED display
Resolution: 0.1 mV
Current meter: 0-20 mA, 3½ digit, LED display
Resolution: 0.01 mA
Connectors: 2 mm - 2 mm brass moulded patch cords
Thermistor: Negative temperature coefficient
Inbuilt constant current source
Rated Input: 220 V/50 Hz or 110 V/60 Hz
Power Consumption: <50 W
Cabinet: Acrylic body, aluminium bottom

b) Digital thermometer

Range: 300 °C
Resolution: 0.1 °C

c) Electric kettle & stand

Kettle capacity: 0.5 L
Max. temperature: 100 °C
Stand: Height adjustable and holds test tube with sample and temperature probe



(a)



(c)



(b)



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3 years manufacturing warranty