

## PELTIER EFFECT & SEEBECK EFFECT

Model : PE - 20

Experiment(s):

1. Study of Peltier effect and Seebeck effect

Experiment setup consists:

- a) Peltier & Seebeck effect kit
- b) Peltier module
- c) Thermocouple (2 nos)

Specifications:

- ❖ Peltier & Seebeck effect kit DC ammeter:
- ❖ 0-20 A Resolution: 0.01 A
- ❖ Voltmeter: 0-20 V Resolution: 0.01 V
- ❖ Power supply: Variable 0-12 V. Regulated output Thermometer. 2 channel 0-150 C.
- ❖ Resolution: 1 °C



Thermometer Socket for Digital Probe thermocouple Rated

- Input: 220 V/50 Hz or HO V160 Hz
- Peltier module Module
- maximum power: 25 W
- Heat-sink: 2 nos (on hot and cold sides)
- Max temperature difference: 40 °C
- Temperature sensor. 2 nos mounting on heat sinks
- Thermocouple Type Probe tape thermocouple

**Note: There may be any change in specification due to continuous R & D without notice.**

**VJAYANTA TECHNOLOGIES PVT. LTD.**

(Formerly Vijai Electronics)

Dr. Baldev Singh Marg 28/147 Civil Lines Roorkee-247667 Distt Haridwar Uttarakhand