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**Product Name :**  
Training System Temperature Control Experiment

**Product Code :**  
LBNY-0005-127000104



#### **Description :**

Heating and cooling by Peltier element  
Temperature sensors at 3 different points along axis of bar to establish thermal lags  
Experimental unit for control engineering experiments  
Temperature control of a heated metal bar  
Process schematic on front panel  
Software activated fan to generate disturbance variables  
Software-based controlled system simulation.

#### **Technical Specification :**

Heated bar: DxL: 20x200mm, aluminium  
Peltier element  
operated by DC voltage  
power consumption depending on temperature  
power at 50°C: 44,3W  
power at 300K: 38,2W  
Fan  
Temperature sensor: 0...100°C  
Thermometer: 0...100°C  
Power consumption: 2W  
Max. flow rate: 40m/h  
Temperature control range: 0...100°C.



**Laboratory Instrument India**