

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

**Product Code :**  
ENGLABINGCAG8100011



**Description :**

Training System Temperature Control Experiment

**Technical Specification :**

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

**Technical Data**

Heated bar: DxL: 20x200mm, aluminium

**Peltier element**

power consumption depending on temperature  
power at 300K: 38,2W  
power at 50°C: 44,3W  
operated by DC voltage

**Fan**

Power consumption: 2W

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Max. flow rate: 40m/h  
Temperature sensor: 0...100°C  
Thermometer: 0...100°C  
Temperature control range: 0...100°C



## Engineering Lab Equipment India