

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

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



Engineering Lab Equipment India