



Email : sales@engineeringlabequipments.com

**Product Name :**  
Room Temperature Control

**Product Code :**  
ENGLABINGCAG810003



**Description :**

Room Temperature Control

**Technical Specification :**

Investigation of a temperature control loop  
Control loop components on panels allowing for variation in installation in frame  
Soldering iron as controlled system  
Power controller as actuator  
Parameterisable digital industrial controller  
Thermocouple type K as temperature sensor  
Transducer for thermocouple with digital temperature display  
Bar display for manipulating variable  
2 metal plates with differing thermal conductivities for disturbance generation

**Technical Data**

Soldering iron power output: 16W

**Controller**

Input signals: 0/4...20mA and 0...10V

Output signals: 0...20mA

Parameterisable as

P, PI or PID controller

2-point controller

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Power controller  
Output power: 0...16W  
Input signal: 0...20mA

Thermocouple and transducer  
Measuring range: 0...400°C  
Output signal: 0...10VDC



## Engineering Lab Equipment India