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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

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