

Product Name :
Computerized Composite Wall Apparatus

Product Code :
ENGLABINGCAG330003



Description :

Computerized Composite Wall Apparatus

Technical Specification :

FEATURES:

- Calculate the thermal conductivity ? of different metals
- Calculate the thermal resistance of the sample
- Heat transfer with different samples connected in series
- Effect of sample length on heat transfer
- Effect of different metals on heat conduction
- Functions of the software: educational software, data acquisition, system operation
- Time dependency until the steady state is reached

SPECIFICATION:

- Continuously adjustable heater
- Peltier element as cooler
- 11 samples made of 5 metals, different lengths
- Samples \varnothing 20mm

Peltier element :
Cooling capacity: 56,6W

Heater :

Heating power: 30W
Temperature limitation: 150°C

Length between measuring points :
5x 20mm (copper, steel, stainless steel, brass, aluminum)
5x 40mm (copper, steel, stainless steel, brass, aluminum)
1x 40mm with turned groove (aluminum)

Measuring ranges :
Temperature: 4x 0...325°C
Heating power: 0...50W



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