

Product Name :
Computerized Steady State and Non Steady Heat Transfer

Product Code :
CHINAELABC262005



Description :

Computerized Steady State and Non Steady Heat Transfer

Technical Specification :

FEATURES:

12 temperature measurement points in every sample
Calculate thermal conductivity λ of different metals
Steady heat conduction
Transient heat conduction
Temperature/time profiles
Steady and transient heat conduction in metals
Regulated temperature of the heat source

SPECIFICATION:

Heater :
Output: 800W
Temperature: 20...85°C

Samples, \varnothing 40mm
3x 450mm (copper, aluminum, brass)
2x 300mm (steel, stainless steel)

Heating tank: ca. 2L
Cooling tank: ca. 0,5L
Elevated tank: ca. 6L

Temperature sensors :

12x thermocouple type K, along the sample

2x Pt100, in the cooling water

1x Pt100, in the heating water

Measuring ranges :

Temperature: 14x 0...100°C

Power: 0...1000W

Flow rate: 0,1...2,5L/min

Required for Operation :

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase



Engineering Lab China