

Product Name :
Computerized Steady State and Non Steady Heat Transfer

Product Code :
CHINAELABC2620005



Description :

Computerized Steady State and Non Steady Heat Transfer

Technical Specification :

FEATURES:

- 12 temperature measurement points in every sample
- Calculate thermal conductivity ? 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, Ø 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



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