Product Name : Computerized Heat Pipe Demonstrator	**Product Code :** CHINAELABC2620004

Description :

Computerized Heat Pipe Demonstrator

Technical Specification :

FEATURES:
Calculate convective heat transfers
Effect of heat conduction and convection on heat transfer
Effect of free and forced convection on heat transfer
Effect of different materials on heat conduction
Effect of sample length on heat transfer
Effect of heat conduction and convection on heat transfer
Experiments with still air on free convection
Functions of the software: educational software, data acquisition, and system operation

SPECIFICATION:
Heater :
Heating power: 30W
Temperature limitation: 160°C

6x fan :
Max. Flow rate: 40m3/h
Nominal speed: 14400min-1

6 samples made of different materials and with different lengths :
2x samples, long

Length dissipating heat: 154mm
Heat transfer area: 48,4cm2
Copper, steel
4x samples, short
Length dissipating heat: 104mm
Heat transfer area: 32,6cm2
Copper, aluminum, brass, steel

Measuring ranges :
Flow velocity: 0…10m/s
Temperature: 8x 0…325°C
Heating power: 0…30W

Required for Operation :
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase