EngineeringLabChina
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Product Name : Computerized Stefan Boltzman Apparatus	**Product Code :** CHINAELABC2620006

Description :

Computerized Stefan Boltzman Apparatus

Technical Specification :

FEATURES:
Experiments in vacuum
Heat transfer by radiation
Determination of the radiation coefficient
Determination of the heat quantity transferred by convection
Determination of the heat transfer coefficient based on measured values
Experiments at ambient pressure or positive gauge pressure
Heat transfer by convection and radiation
Theoretical determination of the heat transfer coefficient based on the Nusselt number
Comparison of the heat transfer in different gases
Heat transport between heating element and vessel wall by convection and radiation
Heating element

SPECIFICATION:
Pump for vacuum generation
Power consumption: 250W
Nominal suction capacity: 5m3/h
Final pressure with gas ballast: 3*10-3mbar
Final pressure without gas ballast: 3*10-3mbar
Output: 20W
Radiation surface area: approx. 61cm2

Pressure vessel :
Pressure: -1…1,5bar
Volume: 11L

Measuring ranges :
Negative pressure: 0,5*10-3…1000mbar
Pressure: -1…1,5bar rel.
Temperature: 0…250°C
Power: 0…23W

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