

Product Name :
Computerized Boiling Heat Transfer Apparatus

Product Code :
ENGLABINGCAG3300001



Description :

Computerized Boiling Heat Transfer Apparatus

Technical Specification :

FEATURES:

- Experimental unit to demonstrate evaporation in a steam boiler fire tube
- Effect of temperature and pressure on the evaporation process
- Digital displays for measured values
- Processing of measured values on a PC using software
- Operation with environmentally friendly, special low-boiling liquid
- Observing different forms of evaporation (nucleate, film boiling)
- Calculation of heat transfer coefficient
- Software for data acquisition via USB through PC.

SPECIFICATION:

- Safety valve opens at 2,2bar
- Tank: 10L
- Heater :
- Power: 250W, continuously adjustable
- Surface area: 0,001875m²
- Cooler, copper coil :
- Diameter: 80mm
- Surface area: 0,0578m²

Measuring ranges :

Pressure: 0...4bar absolute

Flow rate: 0,05...1,8L/min

Temperature thermocouple: 0...200°C

Required for Operation :

230V, 50/60Hz, 1 phase, 120V, 60Hz/CSA, 1 phase

Water supply and drain



Engineering Lab Equipment India