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Product Name :
Computerized Boiling Point Heat Transfer Unit

Product Code :
LBNY-0005-11700021



Description :

The Computerized Boiling Point Heat Transfer Unit is designed to display the various types of boiling to change the intensity of the heat flow. The experiment is performed with environmentally-friendly, special low boiling point liquid. A transparent vessel allows to observe the evaporation process at the heated cylinder. More precisely, can be reproduced the nucleate and the film boiling and it can plot the so-called pool boiling which is the basis of the design of the systems with the steam boiler. The cylinder operates as a fire tube heated from the inside. An integrated water-cooled condenser allows for a continuous boiling process. The unit is supplied with manuals that describe each component of the system, installation and utilization procedures and give many exercises. The special liquid used evaporates at low temperatures. An automatic data acquisition and analysis system for Personal Computer allows to take the measurements automatically, to plot the curves on screen or print them out, to store the experimental data on disk or print them.

Technical Specification :

Electrical power supply: 110/220V, single-phase, 50/60 Hz; 0.5 kW.

Water supply: from mains (150 l/h max)

Weight and Dimensions:

Weight (empty): 50 kg

Dimensions: 900x500x900 h mm.

Laboratory Instrument India

