

Product Name :

Computerized Boiling Heat Transfer
Apparatus

Product Code :

SLE/MCE/70



Description :

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- Transparent process tank makes it possible to clearly observe the evaporation process at the heated cylinder.
- The cylinder is used as a model to demonstrate a fire tube heated from the inside.
- The special liquid used evaporates at low temperatures.
- Sensors provide all relevant data.
- An integrated water-cooled condenser allows for a continuous boiling process.
- The measured values are indicated on digital displays and can also be transmitted directly to a PC via USB.

Specification:

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

Measuring ranges:

- **Pressure:** 0...4bar absolute
- **Flow rate:** 0,05...1,8L/min
- **Temperature thermocouple:** 0...200°C
- **PowerSupply:** 230V, 50/60Hz, 1 phase, 120V, 60Hz/CSA, 1 phase
- **Dimension:** 900x450x820mm (approx)
- **Weight:** 60kg(approx)

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