

DETERMINATION OF THE ENTHALPY OF VAPORISATION OF LIQUIDS

Mod. C-AV-15/EV

DESCRIPTION

The vaporisation of a liquid occurs with absorption of heat. To determine the enthalpy of vaporisation, a known mass of the test liquid is vaporised in a special container for vaporisation in an air stream. The amount of heat absorbed which corresponds to the enthalpy of vaporisation can be determined calorimetrically.

TRAINING PROGRAM

- Enthalpy of vaporisation
- Entropy of vaporisation
- Trouton rule
- Calorimetry
- Thermal capacity

COMPONENTS

- Calorimetric set
- Evaporation container for calorimeter
- Precision scale
- Safety bottle with pressure gauge
- Water jet pump
- 250 ml flask
- Various glassware
- Diethyl ether
- Methanol
- Distilled water



REQUIRED (NOT INCLUDED)

- EVLAB DATALOGGER mod. EVS-EXP/EV including SOFTWARE EVLAB WORKSPACE mod. SW-C-AV-15/EV for a total control of interactive experiments
- 2 temperature sensors mod. EVS-15/EV
- PERSONAL COMPUTER



SUPPLIED WITH

THEORETICAL - EXPERIMENTAL HANDBOOK

