

DETERMINATION OF THE ENTHALPY OF FUSION OF A PURE SUBSTANCE

Mod. C-AV-18/EV

DESCRIPTION

When a solid melts, energy is required to break the crystal lattice. A substance whose melting point lies slightly below the ambient temperature is first cooled until it solidifies and then melted in a calorimeter. The enthalpy of fusion is calculated from the temperature decrease due to the melting process measured in the calorimeter.

TRAINING PROGRAM

- Melting point and enthalpy of fusion
- Latent heat
- Gibbs phase rule
- Calorimetry
- Thermal capacity

COMPONENTS

- Calorimetric set
- Precision scale
- Pipettes
- Supports
- Various glassware
- 1.4 - dioxane
- Distilled water



SUPPLIED WITH

THEORETICAL - EXPERIMENTAL HANDBOOK

