



All experiments described in this handbook can be performed with the "COBRA-Interface" which has following specific features:

The versatile high performance computer interface basic unit can be extended by means of a series of supplementary modules.

- Intelligent, microprocessor controlled interface for the performance of measurements and experiments in physics, chemistry, biology and technology
- Can be connected directly to any modern computer over the standard serial interface (RS 232) without supplementary cards and without opening the computer housing
- Replaces devices such as 4-channel plotters, xyt-plotters, transient plotters, digital counters, temperature, conductivity, pH, pressure measuring devices, etc.
- No load on the computer power supply due to the interface, thus excluding computer failures due to partial power supply overloads
- High performance, adjustable direct voltage output to provide power for experiments and for programmable power outputs
- Continuous extension of the series of modules and of the software library keeps on providing new applications for the COBRA user

This HANDBOOK can be purchased separately. It contains the experiments listed below. Please ask for a complete equipment list. Ref No 23304

Handbook • COBRA – Calorimetry • No. 01264.02 • 11 described Experiments

1 Thermal capacity

CBK 1.1 (12421)
Thermal capacity of the calorimeter I (mixing experiment, Kal 1)

CBK 1.2 (12422)
Thermal capacity of the calorimeter II (experiment with electrical heating, Kal 2)

CBK 1.3 (12423)
The specific thermal capacity of water (experiment with electrical heating, Kal 2)

CBK 1.4 (12424)
Specific thermal capacity of liquids (mixing experiment, Kal 1)

CBK 1.5 (12425)
Specific thermal capacity of solids (mixing experiment, Kal 1)

2 Heat of conversion

CBK 2.1 (12426)
The specific fusion heat of ice (Kal 1)

CBK 2.2 (12427)
The specific evaporation heat of water I (experiment with electrical heating, Kal 2)

CBK 2.3 (12428)
The specific evaporation heat of water II (experiment with a gas burner, Kal 2)

CBK 2.4 (12429)
Specific condensation heat of water (Kal 1)

3 Heat of reaction

CBK 3.1 (12430)
Specific heat of solution of salts (Kal 1)

CBK 3.2 (12431)
Specific heat of combustion of spirit (Kal 1)



Specific thermal capacity of solids (CBK 1.5)