



HIGHEST HEAT MEASUREMENT ACCURACY

Calvet 3D sensor based on Peltier elements with Joule effect calibration

MODIFIABLE TEMPERATURE CONDITIONS

for increased flexibility and replication of real life conditions between -45 and 120°C

CONVENIENT INTERCHANGEABLE CRUCIBLES AND CELLS

to perform even the most demanding experiments using one instrument :

- high pressure (up to 1000 bar) and high vacuum, pressure measurement and control
- mixing/stirring experiments
- combined high pressure and stirring experiments

EXTERNAL COUPLING CAPABILITY

designed to increase your research options including manometry, BET instrumentation, gas analyzers, humidity controllers and gas panels

| TEMPERATURE | MICROCALVET |
|---|---|
| Temperature range (°C) | -45 to 120 <i>Cooling under 0 °C requires the use of an auxiliary thermostat</i> |
| Temperature accuracy (°C) | +/- 0.07* |
| Temperature precision (°C) | +/- 0.15* |
| Programmable temperature scanning rate (°C/min) | 0.001 to 2 |
| HEAT & HEAT FLOW | |
| Enthalpy accuracy (%) | +/- 0.4* |
| Calorimetric precision (%) | +/- 0.7* |
| RMS noise (µW) | 0.08 |
| Resolution (µW) | 0.002; 0.02 |
| Dynamic Range (mW) | +/- 20; +/- 200 |
| GENERAL | |
| Cells volume (ml) | Up to 1 (standard cell) |
| Pressure measured and controlled (bar [psi]) | 400 [5,800]; 1000 [14,600] |
| Weight (kg) | 38 |
| Dimensions (Height/Width/Depth) | 40/53/58 cm 15.7/20.9/22.8 inch |
| Power requirements | 230V-50/60 Hz |

* Based on naphthalene melting tests