

MICROCALVET



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)	+/- 12; +/- 120
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