

## MICROCALVET ULTRA



### 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 -20 and 170°C

### CONVENIENT INTERCHANGEABLE CRUCIBLES AND CELLS

to perform even the most demanding experiments using one instrument :

- high pressure (up to 400 bar) and high vacuum, pressure measurement and control
- mixing experiment

### EXTERNAL COUPLING CAPABILITY

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

TEMPERATURE		MICROCALVET ULTRA
Temperature range (°C)		-20 to 170
Temperature accuracy (°C)		+/- 0.07*
Temperature precision (°C)		+/- 0.15*
Programmable temperature scanning rate (°C/min)		0.001 to 1.2
HEAT & HEAT FLOW		
Enthalpy accuracy (%)		+/- 0.4*
Calorimetric precision (%)		+/- 0.7*
RMS noise (µW)		0.08
Resolution (µW)		0.0015; 0.015
Dynamic Range (mW)		+/- 12; +/- 120
GENERAL		
Cells volume (ml)		Up to 1 (standard cell)
Pressure measured and controlled (bar [psi])		400 [5,800]
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