MICROCALVET ULTRA 4C

HIGHEST HEAT MEASUREMENT ACCURACY
Calvet 3D sensor based on Peltier elements with Joule effect calibration

DUAL SAMPLE TESTING
4C means four cells, i.e. dual sample, for greater throughput and a preserved accuracy even with large heat effects

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 4C
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*