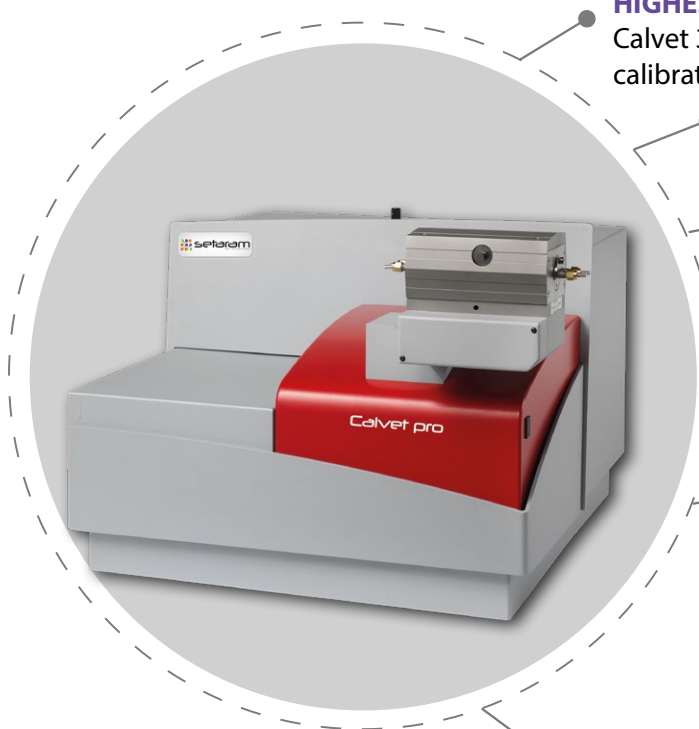


CALVET PRO



HIGHEST HEAT MEASUREMENT ACCURACY

Calvet 3D sensor based on thermocouples with Joule effect calibration

HIGHEST MASS VARIATION ACCURACY

with its optional Hang-down Symmetrical Beam Balance

SUB-AMBIENT TO HIGH TEMPERATURE OPERATIONS

with solutions from -120 to 830 °C

ISOTHERMAL OR TEMPERATURE SCANNING MODES

for increased flexibility and replication of real life conditions

CONVENIENT INTERCHANGEABLE CRUCIBLES AND CELLS

to perform even the most demanding experiments using one instrument :

- high pressure (up to 500 bar) and high vacuum
- pressure resistance, measurement or control
- packed bed reactor experiments

EXTERNAL COUPLING CAPABILITY

TEMPERATURE	CALVET PRO
Temperature range (°C)	Ambient to 830°C -120 to 200 °C (with cooling accessory)
Temperature accuracy (°C)	+/- 0.05*
Temperature precision (°C)	+/- 0.15*
Programmable temperature scanning rate (°C/min)	0.01 to 30
HEAT & HEAT FLOW	
Enthalpy accuracy (%)	+/- 0.8*
Calorimetric precision (%)	+/- 0.4*
RMS noise (µW)	0.2
Resolution (µW)	0.35 ; 0.035
Dynamic Range (mW)	+/- 290; +/- 2900
MASS VARIATION***	
Weighing accuracy (%)	+/- 0.1**
Weighing precision (%)	+/- 0.05**
RMS noise (µg)	0.5
Resolution (µg)	0.02; 0.002
Baseline dynamic drift (µg)	< 15
Weight Range (mg)	+/- 200
GENERAL	
Crucible or cells volume (ml)	Up to 0.32 depending on the chosen design and material (aluminium, incoloy, graphite, alumina, platinum, etc)
Pressure (bar [psi])	400 [5,800] (measured and controlled); 500 [7,250] (resistant)
Weight (kg)	45 55***
Dimensions (Height/Width/Depth)	45 / 53 / 58 cm 17.7 / 20.9 / 22.8 in 60 (closed) 80 (open)/53/58 cm*** 23.6 (closed) 31.4 (open)/20.9/22.8 in***
Power requirements	230V-50/60 Hz

* Based on indium melting tests **Based on CuSO4. 5H2O dehydration ***With TG option