

The HIGHLIGHTS

Offering a Calvet 3D DSC sensor this system allows for unmatched resolution and also sample sizes of up to 270 μl . This allows for a wide range of heterogeneous samples to be measured, Cp determined to 1% accuracy and crucibles to be engineered with unique possibilities including flow through reaction and high pressure. The unique Calvet 3D sensor allows for the sample only and not the detector to be pressurized. As such different gases, pressures and mixtures can be applied to your sample during an experiment, monitoring up to 400 bar.

SENSYS DSC

EVO

Differential Scanning Calorimetry

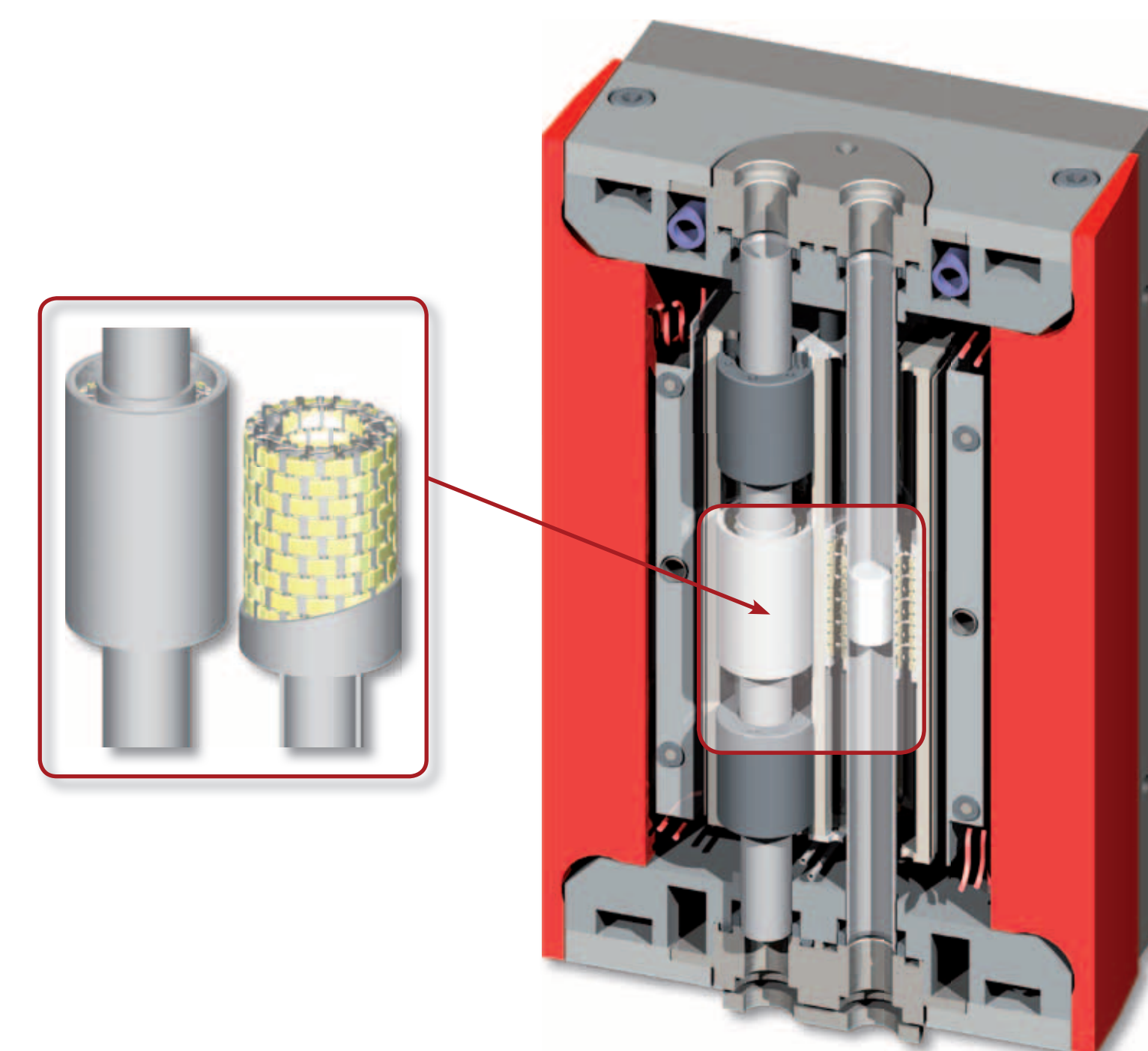
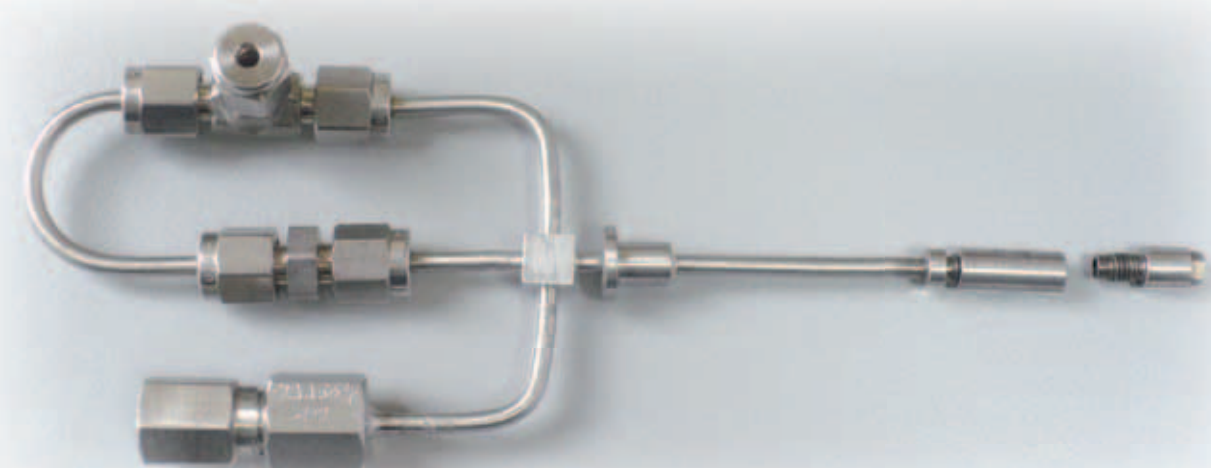
Specifications

Temperature range	Ambient to 830 °C
With cooling accessory	-120 °C to 200 °C (Liquid Nitrogen Accessory)
Programmable temperature scanning rate (heating and cooling)	0.01 to 30 °C.min ⁻¹
Autosampler	48 samples even under pressure
Gases	3 carrier gases (MFC from 4 to 200 ml/min) + 1 auxiliary or reactive gas (MFC from 0.3 to 16 ml/min)*
Crucibles	120 μl , 160 μl , 320 μl aluminium, incoloy, graphite, alumina, platinum, etc.
Pressure (non controlled)	High Pressure Crucible (up to 500 bars / 7250 psi at 600 °C)
Pressure (measured & controlled)	High Pressure Crucible (up to 400 bars / 5800 psi at 600 °C)
CALISTO software	

CRUCIBLES



High Pressure crucible



SENSYS EVO CALORIMETRIC BLOCK

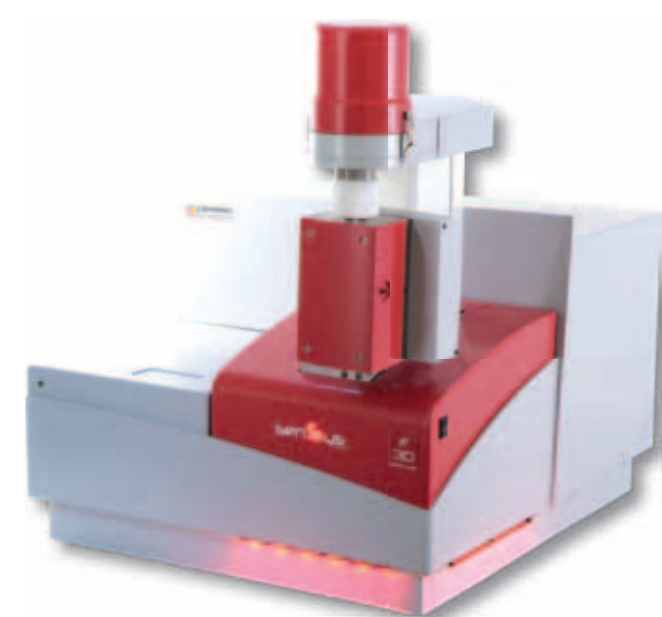
Vertical SENSYS DSC evo

For measurements on heats of adsorption



SENSYS TG-DSC evo

For simultaneous TG-DSC measurements



From -120 °C to 830 °C
Up to 500 bars at 600 °C

