

# μDSC7 evo



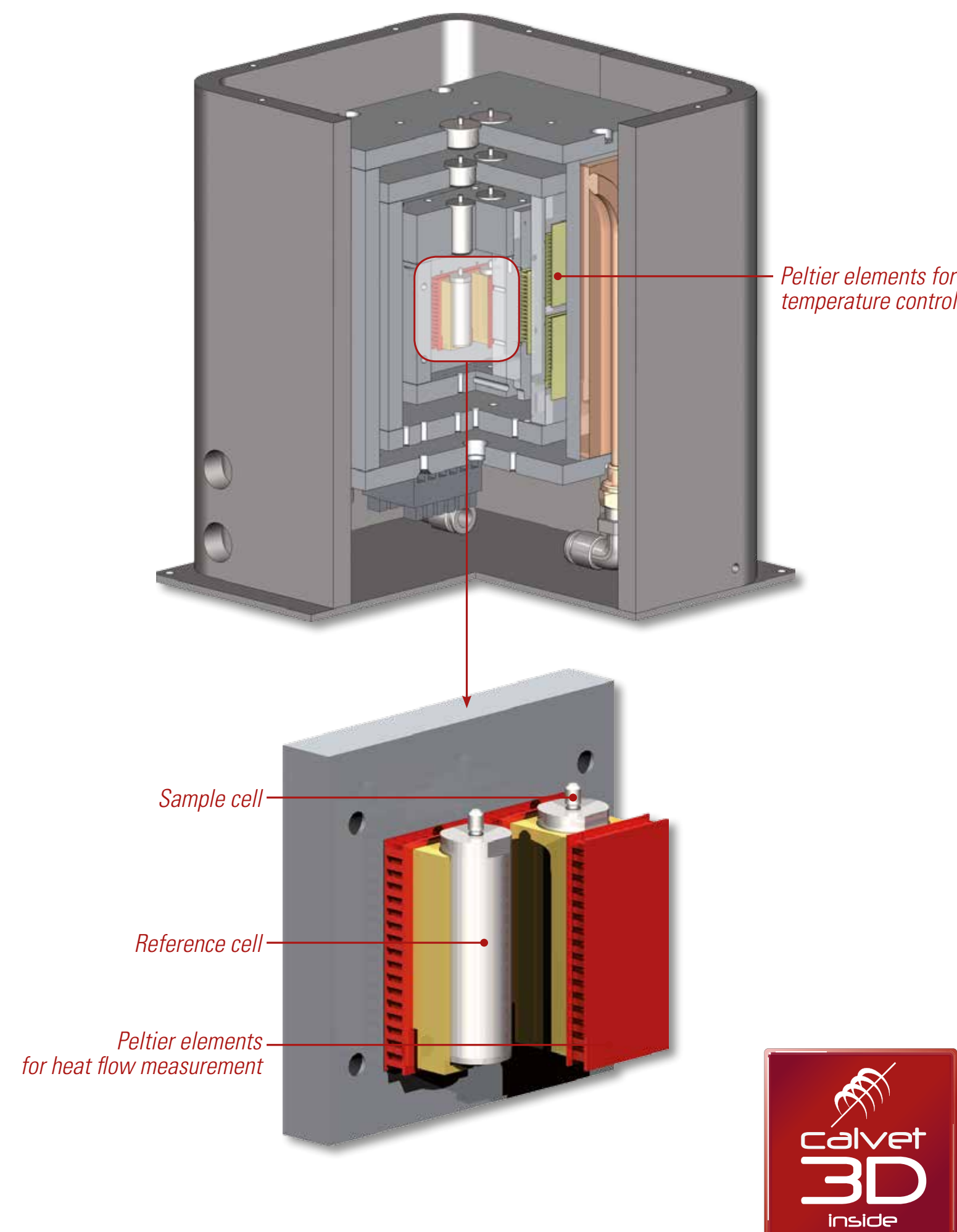
## Microcalorimetry from -45 °C to 120 °C

Designed for the study of samples (denaturation, transition, gelification, reaction, etc.) in isothermal and scanning mode over a wide temperature range (-45 to 120 °C).

### HIGHLIGHTS include:

- Its high sensitivity and versatility makes the μDSC7 evo able to detect and measure the subtlest transitions precisely and accurately, which the standard DSC cannot.
- μDSCs are outstanding isothermal calorimeters able to detect low heats of interaction in formulated products.
- For «batch» measurements and when high pressure capabilities are required.

### μDSC7 EVO CALORIMETRIC SENSOR

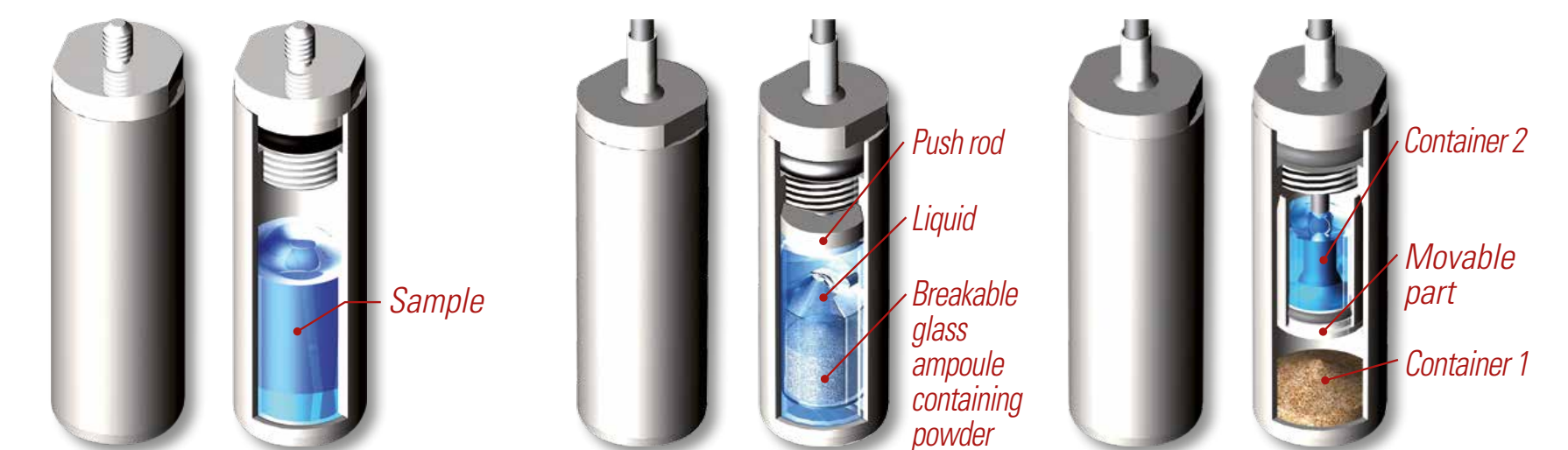


### SPECIFICATIONS

<b>Temperature range</b>	-45 to 120 °C Cooling under 0 °C requires the use of an auxiliary thermostat
<b>Programmable temperature scanning rate (heating and cooling)</b>	0.001 to 2 °C.min <sup>-1</sup>
<b>Cells</b>	1 ml, made of Hastelloy C, removable Batch, mixing batch, ampoule and high pressure
<b>Pressure (measured &amp; controlled)</b>	400 bar / 5800 psi or 1000 bar / 14 600 psi, requires the use of high pressure cells and gas panel
<b>Calisto software</b>	



### CLOSED «BATCH» CELL    AMPOULE CELL    MIXING «BATCH» CELL



### HIGH PRESSURE    GAS-TIGHT HIGH-PRESSURE CELL

**High Pressure Gas Panel**  
For the control of sample pressure we offer two automated solutions for different pressure ranges:

- 200 bar Gas Panel**
- Pressure control: accuracy ± 2.5 bar, stability ± 2.5 bar
  - Pressure control by means of a 300 ml buffer

- 1000 bar Gas Panel**
- Pressure control: accuracy ± 2 bar typical, stability ± 1 bar typical
  - Measured quantity of injected gas
  - Controlled increase of pressure



See μDSC7 evo application notes  
[www.setaram.com](http://www.setaram.com)

