



**WIDE TEMPERATURE RANGE ENABLING A VARIETY OF APPLICATIONS**

from sub-ambient operations up to 500+ °C with a customized solution

**VARIETY OF MODES OF OPERATION**

ability to combine PCT, kinetics and cycle-life modes to 200 bar to determine the quantity and rate of sample/gas interaction and its ageing characteristics all in one instrument and operation

**HIGH ACCURACY**

to reduce cumulative error accross multiple measurement points

**PRECISION MEASUREMENT OF SMALL SAMPLES**

using the patented microdoser option (US8132476)

**EXTERNAL CALORIMETER COUPLING CAPABILITY**

TEMPERATURE	GASPRO
<b>Temperature range (°C)</b>	-260 °C to 500 °C with different sample holder options Higher temperatures on request
<b>Calibrated reservoirs</b>	5 high pressure calibrated volumes ranging from ~12 ml to ~1.2 l
<b>Sorption gas (Test gas)</b>	Carbon Dioxide, Methane, Nitrogen, Argon, Hydrogen, Deuterium, Helium, Neon, Ammonia, n-alkanes from C2 to C6, more on request.
<b>Safety</b>	Flammable gas detector, emergency vented cabinet, burst disk
Pressure	
<b>Operating pressure range</b>	From vacuum to 200 bar Pressure regulation: automated, PID software controlled aliquot sizing – Fixed P, ΔP or f(ΔP)
<b>Pressure control (regulation)</b>	2 transducers for vacuum to 200 bar
<b>Sample pressure measurement</b>	1 transducer for vacuum to 200 bar Accuracy < 0.025% full scale 1 transducer for vacuum to 15 bar Accuracy < 0.12% of the reading
<b>Maximum sensitivity</b>	3 μmole of gas (with the MicroDoser attachment)