

GASPRO HA



HIGH ACCURACY VERSION

to reduce cumulative error across multiple measurement points

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

PRECISION MEASUREMENT OF SMALL SAMPLES

using the patented microdoser option (US8132476)

EXTERNAL CALORIMETER COUPLING CAPABILITY

TEMPERATURE

Temperature range (°C)	-260 °C to 500 °C with different sample holder options Higher temperatures on request
Calibrated reservoirs	5 high pressure calibrated volumes ranging from ~5 ml to ~1.2 l
Sorption gas (Test gas)	Carbon Dioxide, Methane, Nitrogen, Argon, Hydrogen, Deuterium, Helium, Neon, Ammonia, n-alkanes from C2 to C6, more on request.
Safety	Flammable gas detector, emergency vented cabinet, burst disk

Pressure

Operating pressure range	From vacuum to 200 bar Pressure regulation: automated, PID software controlled aliquot sizing – Fixed P, ΔP or f(ΔP)
Pressure control (regulation)	2 transducers for vacuum to 200 bar
Sample pressure measurement	1 transducer for vacuum to 200 bar Accuracy < 0.025% full scale 1 transducer for vacuum to 18 bar Accuracy < 0.12% of the reading
Maximum sensitivity	3 μmole of gas (with the MicroDoser attachment)