

THEMYS HP



HIGH TEMPERATURE AND HIGH PRESSURE CAPABILITY
up to 1200 °C and 150 bar with a single furnace, to replicate real process conditions

HIGH ACCURACY & VERSATILITY
hang-down symmetrical beam balance, specifically designed for TGA applications

- continuously measures sample mass variations
- drastically limits the TGA signal background noise and reduces drift
- improves gas/sample interaction

BUILT-IN SAFETY
compliant with European Pressure Equipment Directive 2014/68/EU - group 2 gases (non-explosive, non-flammable, non-toxic)

GENERAL

Temperature range (°C)		Ambient to 1200
Programmable heating rate (°C/min)		0.01 to 100 ^a
Crucibles volumes and maximum sample size		1300 µl
Gas flow	Single gas flow option	1 carrier gas flow controlled by 1 Mass Flow Controller (MFC)
	Advanced gas panel option	1 carrier gas flow among 3 connected + 1 auxiliary gas flow, 2 MFC
Vacuum		Primary (< 1 mbar), forced primary (< 5.10 ⁻² mbar)

BALANCE

Measuring range (mg)	Small	+/- 200
	Large	+/- 2000
Maximum loading capacity (g)		35
TGA baseline drift precision (µg)^c		+/- 200
Balance resolution (small range) (µg)		0.0023

a. Value at Patm, may vary according to pressure; c. Typical data