

Specifications STA/DIL L80

	STA/DIL L80
Measurement Method	TG, DSC, DTA, TG-DSC, TG-DTA, Dilatometry
Temperature range (STA and DIL)	RT – 2800°C
Heating and cooling rate	0.001 up to 100 K/min (depends on furnace) (from 0.001°C/min on request)
Vacuum	10 ⁻⁵ mbar (depends on vacuum pump)
Pressure	Up to 5 bar (optional)
Atmosphere	Inert, oxidizing, red., corrosive, reactive
Gas control	3 gases + 1 purge gas + 2 reactive gases (Optional: up to 20)
Relative humidity	Up to 98 %
EGA	MS, FTIR, GC-MS, QMS
TG	
Resolution	0.01 µg
Max. Weighing capacity	25 g (35 g optional)
Measuring range	± 20000 mg (mass change)
Max. TG-Sample size	20 x 20 mm
Max. TG-Crucible volume	5000 µl
DSC	
DSC resolution	0.3 µW
DSC-Sensors	E (800°C) / K / S (1550°C) / B (1650°C) / C (C = DTA only)
DSC-Crucible volume	120 µl (Calvet: 1000 µl)
DTA	
DTA resolution	0.03 nV
Sensitivity	1.5 µV/mW
DTA-measuring ranges	250 / 2500 µV