

Specifications STA L81

	STA L81		
Temperature range	-150°C up to 500 / 700 / 1000°C RT up to 1000 / 1400 / 1750 / 2000 / 2400 °C		
Vacuum	10 ⁻⁵ mbar (depends on vacuum pump)		
Pressure	Up to 5 bar (optional)		
Heating rate	0.01 up to 100 K/min (depends on furnace) (from 0.001°C/min on request)		
Temperature precision	0.001°C		
Sample robot	Optional 42		
TG	1	2	3
Resoultion	0.01 µg	0.02 µg	0.1 µg
Sample weight	Balance can read weight automatically		
Measuring range	5 g / ± 2500 mg (mass change)	25 g / ± 2500 mg (mass change)	35 g / ± 20000 mg (mass change)
DSC			
DSC-Sensors	E / K / S / B / C (C = DTA only)		
DSC resoultion	0.3 / 0.4 1 / 1.2 µW		
Calorimetric sensivity	Approx.. 4 / 6 / 17.6 / 22.5 µW		
DTA			
DTA resolution	0.03 nV		
Sensivity	1.5 µV/mW		
DTA-measuring ranges	250 / 2500 µV		