Key Technical Data

NETZSCH

TG 209 ***F3*** *Tarsus*®	
Design	Top-loading
Temperature range	RT to 1000°C
Heating rate	0.001 K/min to 200 K/min
Cooling time	Approx. 25 min (free cooling in inert atmosphere); 12 min in He*
Max. sample weight/ measuring range	2 g
TGA resolution	0.1 µg
Motorized sensor lift	For easy and safe handling of sensor change
Interchangeable sensor types	▪ High volume samples / large masses ▪ High sensitivity (c-*DTA*®) ▪ Corrosion-resistant
Gas atmospheres	Inert, oxidizing, static and dynamic
Gas flow control	▪ Integrated frits ▪ Optional: mass flow controllers, free-standing gas control device
Time-controlled auto-cycle evacuation	Prior to measurement
Temperature calibration	c-*DTA*®, also for detection of endo- and exothermal effects; Curie standards
Mass calibration	Automated routine via integrated mass of 2 g ± 0.006 mg
Caloric effects	Endothermal and exothermal effects by c-*DTA*®
Crucibles	Pt, Al_2O_3, Au, SiO_2, Ag, ZrO_2, Al, etc. More upon request.
Automatic sample changer (ASC)	Up to 20 samples (optional)
Crucibles for use in ASC	Various types in one sample deposit
Software	▪ Comprehensive evaluation routines including *SmartMode*, *ExpertMode*, *AutoCalibration* ▪ Optional: *AutoEvaluation* and *Identify*

* At 22°C ambient temperature, 23°C chiller temperature