

TGA Q50 SPECIFICATIONS



The rugged, reliable, and cost-effective Q50 TGA, with many features of the Q500, offers exceptional value as a compact, general-purpose thermogravimetric analyzer that typically outperforms competitive research-grade models. Its integral mass flow control, gas switching capability, superb software, and ease-of-use make the Q50 ideal in basic research, teaching, or in industrial laboratories that need quality results at a modest cost.

Temperature Compensated Thermobalance	Included
Maximum Sample Weight	1 g
Weighing Precision	+/- 0.01%
Sensitivity	0.1 µg
Baseline Dynamic Drift*	< 50 µg
Furnace Heating	Resistance Wound
EGA Furnace	Optional
Temperature Range	Ambient to 1000°C
Isothermal Temp Accuracy	+/- 1°C
Isothermal Temp Precision	+/- 0.1°C
Controlled Heating Rate	0.1 to 100°C/min
Furnace Cooling (forced air/N ₂)	1 000 to 50°C < 12 min
Temperature Calibration	Curie Point
Auto-Loader	Included
Auto Stepwise TGA	Included
TGA/MS Operation	Optional
TGA/FTIR Operation	Optional
Platinum™ Software	Included
Sample Pans	Platinum 50, 100 µL Ceramic 100, 250, 500 µL

* From 50 to 1 000°C at 20°C/min using empty platinum pans, no baseline/blank subtraction.

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