

Q50

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 (°C/min)	0.1 to 100
Furnace Cooling (forced air / N ₂)	1000 to 50 °C <12 min
Temperature Calibration	Curie Point
Autosampler-16 sample	Not Available
Hi-Res TGA™	Not Available
Auto Stepwise TGA	Included
Modulated TGA™	Not Available
TGA/MS Operation	Optional
Platinum™ Software	Included
Sample Pans	Platinum 50, 100 µL Ceramic 100, 250, 500 µL Aluminum 100 µL

* From 50 to 1,000 °C at 20 °C/min using empty platinum pans