

Shimadzu Simultaneous TGA/DTA Analyzer DTG-60

The Shimadzu automatic simultaneous thermal analyzer DTG-60 provides simultaneous thermogravimetry/derivative thermogravimetry (TGA/DTG) and differential thermal analysis (DTA) on a single sample.

A high resolution top loading thermobalance provides TGA data along with two detectors for semi-quantitative DTA/DSC data.

Temperature range is ambient to 1100 °C

Included in the base instrument:

- two plug-in detectors and set of crucibles (aluminium, platinum)
- lighted LCD display for temperature and signal
- operation panel for direct access for emergency stop and service tasks
- remote system functions
- self-diagnostics by software
- three gas connectors
- operation manuals
- built in cooling fan allows controlled cyclic runs between 50 °C and 1100 °C
- auto-cleaning function



Specifications:

Temperature range:	RT to 1100°C	Dynamic range:	± 1000 µV
Heating rate:	±0.01 to ±99.9 K/min at 0.1 K intervals	DTA sensitivity:	0.1 µV
Temp reproducibility:	0.1°K	Noise:	<0.2 µV
Temp accuracy:	0.1°K	Time constant:	<20 seconds.
Time to cool:	<13 min to 100°C	Crucible volume:	50-80 µl (typical)
Sample mass:	1000 mg	Atmosphere:	inert or reactive
TG mass range:	±500 mg		
TG noise:	<3 µg		
TG sensitivity:	1 µg		
TG readability:	0.1 µg		