

Shimadzu Simultaneous TGA/DTA Analyzer DTG-60H

The Shimadzu DTG-60H thermal analyser 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. A motorized, self locating bifilar wound furnace is used.

Temperature Range is ambient to 1500°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 1500 °C
- auto-cleaning function

Specifications:

Temperature range:	RT to 1500°C	TG readability:	0.1 µg
Heating rate:	±0.01 to ±99.9°K/min at 0.1°K intervals	Dynamic range:	± 1000 µV
Temp reproducibility	0.1°K	DTA sensitivity:	0.1 µV
Temp accuracy:	0.1°K	Noise:	<0.2 µV
Time to cool:	<13 min to 100°C	Time constant:	<20 seconds.
Sample mass:	1000 mg	Crucible volume:	50-80 µl (typical)
TG mass range:	±500 mg	Atmosphere:	inert or reactive
TG noise:	<3 µg		
TG sensitivity:	1 µg		