

TAG

High Performance Symmetrical TGA System

From ambient to 1750 °C



- Outstanding isothermal balance performance for long term corrosion/oxidation studies
- No buoyancy effect with dual furnace design for high precision DTA/DSC
- Unique sample geometry for near 100% surface area studies
- Mass Spectrometry Coupling
- **Calisto** software

The TAG system is the world's most precise isothermal TGA system. It features the same symmetrical balance beam and aggressive atmosphere control seen in the SETSYS system. In addition it incorporates a pair of matched furnaces which eliminates buoyancy effects and provide unparalleled performance.

If you are studying long term corrosion and / or oxidation then nothing comes close to the TAG's performance.



Applications

With its wide temperature range (from ambient up to 1750°C) the TAG has a large range of applications, especially in the field of advanced materials (ceramics, metals, alloys, inorganic compounds, oxides, nanotubes) to investigate phase diagram, long term thermal stability, corrosion, oxidation/reduction, adsorption, etc., under dry, humid or corrosive atmospheres.

Specifications

Temperature Range	Ambient to 1600°C or 1750°C
Programmable temperature scanning rate (heating and cooling)	0.01 to 100°C
Balance Capacity	35 g
Gases	3 carriers gases (MFC from 4 to 200 ml/min) + 1 auxiliary or reactive gas (MFC from 0.3 to 16 ml/min)
Crucibles	From 55 to 1500 µl Alumina, Tungsten, Graphite, Platinum, Quartz, Aluminum
Rods	TGA, DTA and DSC interchangeable rods
Weight	145 kg (320 lbs)
Dimensions (Height / Width / Depth)	170 / 60 / 55 cm (66.9 / 23.6 / 21.6 in)
Power requirements	230V -50/60Hz



Option: AKTS Thermokinetics software for comprehensive investigation of reaction or decomposition



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