

Simultaneous Thermal Analysis combined with mass spectrometry

Application

STA 449C Jupiter connected with QMS 403C Aëolos

Possibilities:

- Thermogravimetry (TG) and Differential Thermal Analysis (DTA), combined with mass spectrometry.

Ar-flow around the heating element during operation. Max temperature 1600 °C. Gas-flow (Argon, N₂, Synthetic air, O₂) during operation

Mass flow controller with 3 gas lines - makes it possible to mix gases or change between gases during analysis.

Can not be used for:

- ...



Before you begin

- Contact equipment responsible : Pei Na Kui, K2-122
- Scientific responsible: Professor Kjell Wiik, K2-118
- Equipment may not be used without training.
- Contact room responsible for access : Pei Na Kui, K2-122
- Fill out: [TA-analysis_form.DOC](#)
- Electronic booking of the instrument. Use the booking calendar for leiestedet Material Characterization. Access to the booking system is given by the equipment responsible.

Relevant links:

Gas procedures mass flow controller: [Gas procedures thermal analysis equipment 2016_corrKW2.pdf](#)

The adress for the booking system is <https://www.ntnu.no/booking/imt/Web/>