

STA 2500 *Regulus*

Design Top-loading, vertical & differential balance

Furnace data

Temperature range RT to 1100°C/1600°C (2 easily exchangeable furnaces)

Heating rate 0.001 to 100 K/min (depending on the furnace)

Temperature precision (repeatability) 0.3 K

Motorized furnace hoist Single hoist

Balance and Sensor Data

Design Differential balance system

Weighing range ± 250 mg, max. sample load 1 g

Thermogravimetric resolution 0.03 μ g

Thermocouple Type S

Atmosphere

Vacuum-tight 10^{-4} mbar (10^{-2} Pa), depending on the evacuation system

Gas atmospheres Inert, oxidizing, vacuum

Gas control Built-in mass flow controllers

Robot System

Automatic sample changer (ASC) Optionally available for 20 crucibles