

STA 409 CD – QMS 403/5 SKIMMER Coupling

Temperature Range	<ul style="list-style-type: none"> ▪ SiC furnace: RT to 1450°C with <i>SKIMMER</i> orifice from alumina ▪ Graphite furnace: RT to 2000°C with <i>SKIMMER</i> orifice from glassy carbon
Heating Rate	Standard furnaces: 0.001 to approx. 100 K/min
Weighing Range of Balance System	15000 mg
Sensor Types	DSC, DTA, TG, DSC-c _p , quickly exchangeable
Versions	<ul style="list-style-type: none"> ▪ Extension with Glove box available (option) ▪ Corrosion Resistant Version available (option)
Crucibles	Various types and in different dimensions
Mass Range*	1 to 512 / 1 to 1024 u*
Resolution*	0.5 u*
Measuring Modes / Scan Rates	Analog Scan, Scan Bargraph, Multi Ion Detection (MID)
Detector	90° SEV Detection limit > 10 ⁻¹⁴ mbar, or > 100 ppb
<i>SKIMMER</i> Temperature	Sample temperature
<i>SKIMMER</i> Material	<ul style="list-style-type: none"> ▪ Alumina (1450°C) ▪ Glassy carbon (2000°C)
Ionisation	Electron Impact

*unified atomic mass unit