

# Key Technical Data

# NETZSCH

PERSEUS® FT-IR Coupling		
	PERSEUS® STA 449 <b>F1/F3</b>	PERSEUS® TG 209 <b>F1</b>
Temperature range	RT-2000°C <sup>1)</sup>	RT-1100°C
Measurements under reduced pressure (for solvent separation)	Yes	Yes
Vacuum-tightness of the complete system	Yes	Yes
Additional automatic sample changer operation	Yes	Yes
Stand-alone operation of the FT-IR	No	No
Additional analytical instruments to be coupled	MS or GC-MS	MS or GC-MS
T <sub>max</sub> transfer line/adaptor head	200°C, software-controlled	200°C, software-controlled
Set-up gas cell	Internal	Internal
Material gas cell	Nickel-coated aluminum	Nickel-coated aluminum
Gas cell – path length	70 mm	70 mm
Gas cell – volume	5.8 ml	5.8 ml
Detector	DLaTGS (internal)	DLaTGS (internal)

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1) For STA instruments, variable furnaces are required to cover the stated temperature range