

Key Technical Data

NETZSCH

	DSC 404 F1 Pegasus®	DSC 404 F3 Pegasus®
Temperature range	-150°C to 2000°C	
Furnaces	Standard and special furnaces	
Heating/cooling rate	0.001 K/min to 50 K/min (depending on furnace type)	
Furnace hoist	Motorized double hoist for two furnaces or one furnace combined with the ASC	
Sensor types	DTA, DSC, DSC-cp (quick and safe interchange)	
c_p measuring range ¹⁾	Up to 5 J/(g*K)	
c_p determination ¹⁾	Yes	Optional
TM-DSC	Yes	No
<i>BeFlat</i> ® (DSC)	Yes	Optional
<i>Tau-R</i> ® Mode	Yes	Optional
Purity Determination	Optional	Optional
Macro recorder for analysis routines	Yes	Optional
Gas atmospheres	Inert, oxidizing, reducing, vacuum	Inert, oxidizing, reducing
Vacuum-tightness	10 ⁻⁴ mbar (10 ⁻² Pa)	
Gas control	3 integrated mass flow controllers (MFC)	3 integrated frits, optionally 3 mass flow controllers (MFC)
Automatic sample changer (ASC)	20 samples, removable carousel (optional)	
Automatic evacuation	Software-controlled	Optional
Coupling to evolved gas analyzers	FT-IR, MS, FT-IR-MS, GC-MS, GC-MS-FT-IR	
<i>PulseTA</i> ®	Optional	

1) c_p , specific heat capacity