

Technical Specifications

NETZSCH

DSC 300 Caliris®						
	Supreme			Select		
Color touch display	■			■		
Modules	freely selectable and upgradeable			fixed selection		
Module type	H	P	S	H	P	S
Max. T/°C	750	600	600	650	600	600
Temperature accuracy/K	± 0.05 (indium)	± 0.1 (indium)	± 0.1 (indium)	± 0.05 (indium)	± 0.1 (indium)	± 0.1 (indium)
Heating/cooling rates K/min*	0.001 to 200	0.001 to 500	0.001 to 100	0.001 to 200	0.001 to 500	0.001 to 100
Cooling with LN ₂ , min. T/°C	-180	-170	-170	-180	-170	-170
Cooling with intra-cooler, min. T/°C	-90	-70/-40	-70/-40	-90	-70/-40	-70/-40
Cooling with pressurized air, min. T/°C	<0	<0	<0	<0	<0	<0
Gas-tight design	■	■	■	■	■	■
Gas atmospheres	inert/oxidizing, static/dynamic					
Integrated 3-fold MFC	■	■	■	■	■	■
4 th MFC**	□	□	□	-	-	-
192+12-position ASC	□	□	□	□	□	□
Piercing device	□	□	□	□	□	□
100 Hz data acquisition	■	■	■	□	□	□
Enthalpy accuracy/%	< 1 for adamantan, indium, zinc; < 2 for most materials					
Measuring range/mW	± 750	± 750	± 650	± 750	± 750	± 650
Evolved Gas Analysis***	Yes	Yes	Yes	Yes	Yes	Yes

* depending on the cooling device

** for gas mixtures

*** FT-IR Coupling to DSC is recommended only for samples for which the released substances boil at temperatures below 120°C.

■ included
□ optional