

Key Technical Data

NETZSCH

DSC 214 Polyma	
Temperature range	-170°C to 600°C
Heating/Cooling rate	0.001 K/min to 500 K/min*
Indium Response Ratio	> 100 mW/K**
Resolution (technical)	0.1 µW
Enthalpy precision	<ul style="list-style-type: none">▪ ±0.1% for indium▪ ±0.05% to ± 0.2% for most samples
Specific heat determination	Optional
Temperature modulation	Optional
Cooling device options	<ul style="list-style-type: none">▪ Compressed air cooling (RT to 600°C)▪ IC40 (-40°C to 600°C)▪ IC70 (-70°C to 600°C)▪ LN₂, automatically controlled (-170°C to 600°C)
Gas atmospheres	Inert, oxidizing, static and dynamic operation
Gas controller	<ul style="list-style-type: none">▪ Switches for 3 gases included▪ MFC for 3 gases, optional
ASC	Up to 20 samples and references, optional
Software	<i>Proteus</i> ® The software runs under the operating systems Windows XP, Windows 7 and Windows 8.1.

* Maximum rates depend upon the temperature

** Related to indium as standard material under measurement conditions typically used for polymer investigation (10 mg sample mass, 10 K/min heating rate, nitrogen atmosphere)