

Specifications DSC L63

	DSC L63 Basic	DSC L63 Advanced	DSC L63 Ultimate
Temperature range	-170 °C - 600 °C	-170 °C - 750 °C	-170 °C - 750 °C
Cooling rate	Intracooler: 5 min (100 to 0 °C) LN ₂ : 10 min (100 to -100 °C)	Intracooler: 5 min (100 to 0 °C) LN ₂ : 10 min (100 to -100 °C)	Intracooler: 5 min (100 to 0 °C) LN ₂ : 10 min (100 to -100 °C) 0.02 to 50 K/min top to RT
Heating rate	0.01 to 100 K/min	0.01 to 150 K/min	0.01 to 150 K/min
User replacable heatsink/cooling options	Yes	Yes	Yes
User replacable furnace with sensors	Yes Furnace material: silver	Yes Furnace material: silver	Yes Furnace material: silver
Data capture	100 Hz	100 Hz	100 Hz
Temperature Accuracy	±0,1 K	±0,1 K	±0,1 K
Temperature Precision	±0,2 K	±0,2 K	±0,02 K
Enthalpy Precision	<1 % (Indium)	<0.2 % (Indium)	<0.2 % (Indium)
Baseline Flatness	-	≤10 µW	≤10 µW
Calorimetric Resolution	0.03 µW	0.03 µW	0.03 µW
Measuring range	± 750 mW	± 750 mW	± 750 mW
Heating modes	Isothermal, Dynamic	Isothermal, Dynamic	Isothermal, Dynamic
Specific Heat/Modulated DSC	Reversible, Non-reversible, Total Heat Flow	Reversible, Non-reversible, Total Heat Flow	Reversible, Non-reversible, Total Heat Flow, Single run Cp
MFC (with 3 gases)*	Optional	Integrated	Integrated
Unlimited warranty	Optional**	Optional**	Optional**



pushing boundaries

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* More gases on request ** In connection with a maintenance agreement

*** GLP working condition **** Requires stable power supply

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