

Specifications DSC L63

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

	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 200 K/min
User replaceable heatsink/cooling options	Yes	Yes	Yes
User replaceable 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	±0.2 K	±0.2 K	±0.2 K
Enthalpy Precision	<1 % (Indium)	<1 % (Indium)	<1 % (Indium)
Baseline Repeatability	<40 µW	<40 µW	<40 µW
Baseline Drift	≤ 100 µW	≤ 75 µW	≤ 70 µW
Calorimetric Resolution	0.03 µW	0.03 µW	0.02 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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*** GLP working condition **** Requires stable power supply

All technical data and specifications are for general information purposes only. Changes, deviations and errors are subject to reservation,