

Technical specifications

DMS model	DMS 803, DMS 505, DMS 201		
Heat-cool system	HCS-3	HCS-3B	HCS-6
Temperatures			
Temperature range	-35 °C to +85 °C	-40 °C to +105 °C	-40 °C to +105 °C
Temperature accuracy	±1 °C	±1 °C	±1 °C
Temperature resolution	0.1 °C	0.1 °C	0.1 °C
Typical transition time ¹⁾	Ambient to -35 °C: 30 min Ambient to +85 °C: 45 min	Ambient to -40 °C: 30 min Ambient to +100 °C: 45 min	Ambient to -40 °C: 30 min Ambient to +100 °C: 45 min
Dimensions			
Usable internal diameter	365 mm / 14"	370 mm / 14"	720 mm x 340 mm
Usable internal height	29 mm	41 mm max. 146 mm with extension	115 mm
Travel range			
Theta inclination	0° to 60°	0° to 60°	0° to 70°
Phi rotation	0° to 360°	0° to 360°	No phi rotation possible
X- and Y-axis of base mechanism	-5 mm to 5 mm	-5 mm to 5 mm	-5 mm to 5 mm
x- and y-axis of internal stage	-	-50 mm to 50 mm	-
z-axis of internal stage	-	16 mm	-
z-axis of base	-	-	-
Illumination			
Illumination options	Transmissive, DHS, VADIS, PLS	Transmissive, DHS, VADIS, PLS	-

DMS model	DMS 903		DMS 904
Heat-cool system	HCS-4	HCS-5	HCS-7
Temperatures			
Temperature range	-35 °C to +85 °C	-40 °C to +105 °C	-40 °C to +105 °C
Temperature accuracy	±1 °C	±1 °C	±1 °C
Temperature resolution	0.1 °C	0.1 °C	0.1 °C
Typical transition time ¹⁾	Ambient to -35 °C: 40 min Ambient to +85 °C: 80 min	Ambient to -40 °C: 50 min Ambient to +85 °C: 40 min	Ambient to -40 °C: 90 min Ambient to +105 °C: 90 min
Dimensions			
Usable internal dimensions	720 mm x 568 mm	1500 mm x 400 mm	1600 mm x 600 mm
Usable internal height	110 mm without xy-stage max. 180 mm with extension 70 mm with xy stage	150 mm	200 mm
Travel range			
Theta inclination	0° to 70°	0° to 70°	0° to 60°
Phi rotation	0° to 360°	0° to 360°	0° to 360°
X- and Y-axis of base mechanism	-5 mm to 5 mm	-2 mm to 2 mm	-350 mm to 350 mm (only X-axis)
x- and y-axis of internal stage	300 mm x-axis and 225 mm y-axis	-	-
z-axis of internal stage	-	-	-
z-axis of base	-	-	200 mm
Illumination			
Illumination options	DHS, PID, VADIS	PID, VADIS	PID, VADIS

¹⁾ For empty chamber.