

# SPECIFICATION

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**MODEL**            XRDMP5-CHU

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No.	SPEC.	DESCRIPTION	UNIT
1	Temperature Range	RT ~ 1000	°C
2	Max. Cooling/Heating Rate	<del>60</del> 30	°C/m
3	Temperature Accuracy	±1	°C
4	Temperature Resolution	1	°C
5	Chamber Inner Volume	< 100	cc
6	Chamber External Dimension (Hexagon, side to side)	88	mm
	Chamber External Dimension (Hexagon, height)	54 (with dome)	mm
	Chamber External Dimension (Hexagon, height)	24 (w/o dome)	mm
7	Sample Stage Dimension	Ø12.7	mm
8	Number of Probe	4	ea
9	Dome Radius	33	mm
10	Dome Height	25	mm
11	Dome Material	PEEK	
12	Probe Material	Rhodium	
13	Probe Tip Diameter	250	µm
14	Probe Operating Temperature	1000	°C
15	Vacuum Level (with rotary pump)	10 <sup>-3</sup>	mbar at 750°C
	Vacuum Level (with turbo pump)	10 <sup>-6</sup>	mbar at 750°C
16	Vacuum/Vent Line Fitting	1/8 or 1/4 inch	Swagelok tube fitting
17	Weight	~450	g
18	Leakage Current	< 100	pA
19	Maximum DC Voltage	500	V
20	Maximum Current	1000	mA
21	Maximum Frequency	<30	MHz
22	Rotating Angle (2θ)	0 ~ 180	degree
	Rotating Angle (ψ)	0 ~ 85	degree
	Rotating Angle (φ)	0 ~ 360	degree

**We hereby certify that the above information is all true.**

NEXTRON CORPORATION  
*Hakbeom Moon*  
 Hakbeom Moon / CEO

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