



Specifications

For Aurora Scientific Models: 802D

Model #	802D-120	802D-160
Bath		
Number of Baths	8	
Bath Volume [μL]	Bath 1: 198 Baths 2-8: 120	Bath 1: 198 Baths 2-8: 158
Bath Dimensions [mm]	Bath 1: 14 L x 5 W x 3 D Baths 2-8: 14 L x 3 W x 3 D	Bath 1: 14 L x 5 W x 3 D Baths 2-8: 14 L x 4 W x 3 D
Right Angle Prisms [mm]	3 W x 3 H x 6 L (located in Bath 1)	
Bath Angular Rotation, Z-axis [$^{\circ}$]	3.0	
Bath Excursion, Z-axis [mm]	Maximum ¹ : 4.72 Minimum ² : 3.35	
Indexing Time [s]	Bath 1-2: 1.2 Adjacent Baths in range 2-8: 1.1 Bath 1-8: 2.5	
Apparatus		
Number of Stepper Motors	2	
Motor Voltage [V]	12	
Stepper Movement [$\mu\text{m}/\text{step}$]	25	
Thermoelectric Coolers		
Number of TECs	2	
Control Temperature [$^{\circ}\text{C}$]	0 - 40	
Power [W]	33	
Voltage [V]	12	
Thermocouple Microprobe		
Model	Physitemp IT-18	
Type	T Thermocouple Copper-Constantan	
Time Constant [s]	0.1	
Construction	0.064 mm diameter Teflon tube with sealed tip	
General Specifications		
Power Required	In: 100-240 VAC, 50/60 Hz., 1.8A Out: 12VDC @ 2A	
Power Consumption [W]	25	
Weight [kg]	2.4 (with stand), 1.5 (without stand)	
Dimensions ³ [cm]	18.1 W x 25 L x 6.9 H	

¹ Force Transducer End of Bath

² Length Controller End of Bath

³ Apparatus without stand