

BioHawk Power Measurements

Item	Power (Watts)	Cumulative Power (Watts)	Comments
Main Electronics Module	5.4	5.4	Includes Embedded 386, Expansion Serial Port Circuit Card, Motor/Valve Control Circuit Card, AirSampler Control Circuit Card and Power Supply Circuit Card
<i>Main Electronics Module with Display/Touchscreen</i>	.6	6.0	
Optics Module with Bar Code LED's ON	1.3	7.3	
Items below this line are turned on and off as required during operation			
Optics Module with Bar Code LED's and All Laser Diodes ON	3	10.3	
Save Sample Valve Stepper	1.5	8.8	
Coupon Valve Stepper	2.4	9.7	Extra Torque Motor
Reagent Pump Stepper	1.5	8.8	
Buffer/Sample Pump	1.3	8.6	
Waste/Agitate Pump	1.3	8.6	
Water/Make-Up Pump	1.3	8.6	
Fan with Speed at 200	9	16.3	
Fan with Speed at 210	10	17.3	
Fan with Speed at 220	11	18.3	

Estimated Time of Battery Operation

Type of Battery	Operation	Number of Hours	Comments and United Nations Transportation Code
BA5590 (Primary 210 WattHours)	Standby Sampling	28 11.5	Max. Fan Speed UN 3090
BA5390 (Primary Ext. Life 308 WattHours)	Standby Sampling	42 16.8	Max. Fan Speed UN 3090
BA2590 (Rechargeable 168 WattHours)	Standby Sampling	23 9.2	Max. Fan Speed UN 3480



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