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Specifications

For Aurora Scientific Model: 820A

Model #	820A
Positioning Accuracy [$\pm\mu\text{m}$]	0.02
Maximum Speed [mm/s]	1.7
Minimum Speed [$\mu\text{m/s}$]	2.0
Encoder Resolution [$\mu\text{m}/\text{tick}$]	0.005
Motor Drive Voltage [VDC]	± 15
Stage Connectors	DB-25
Controller Connectors	DB-15
Hand Controllers	Siskiyou Keypad (MC-1000e), Joystick (MC-1000e-J)
Stages	Siskiyou 7600
Communication Port	Ethernet (RJ-45)
Communication Speed [Mbps]	10/100
General Specifications	
Operating Temperature [$^{\circ}\text{C}$]	0 - 40
Power Required	100-240 VAC, 50/60 Hz. available
Power Consumption [W]	50
Weight [kg]	3.1
Dimensions [cm]	21W (1/2 rack mount) x 25D x 9H (2U)
Software Specifications	
Move Controls	On-screen arrows: up/down, XY +/-, XY diagonal +/-
Stage Control	Left XYZ, Right XYZ, Both, Slaved
Move Type	Jog or Continuous
Speed Controls	User defined Fast/Slow, Speed Entry Text Box
Position Readout	Digital indicators of position of all 6 stages
Position Visualization	Graphical representation of position of all 6 stages
Software Limits	User settable +/- limits on all 6 axes
Locate Probes	Locates probes with respect to each other
Movement Functions	Home, Retract, Waypoints, Move to Position, Virtual Axis, Sinusoidal Motion, Stretch/Shorten Move, Rotate/Align Probes
Experiments	Intact Cell Attachment, Assay Stretch