



Specifications

For Aurora Scientific Model: 890A, 891A, 892A

Model #	890A	891A	892A
Apparatus			
Thigh Cuff X Axis Movement [mm]	345	345	380
Thigh Cuff Y Tube Movement [mm]	298	298	410
Thigh Cuff Z Axis Movement [mm]	164	164	155
Footplate X Axis Stage Movement [mm]	220	220	220
Footplate Y Axis Stage Movement [mm]	220	220	220
Footplate Z Axis Stage Movement [mm]	220	220	220
Footplate Rotary Movement [degrees]	360	NA	360
XYZ Stage Mount Plate Y Movement [mm]	195	195	195
Stage Travel/Hand wheel Revolution XYZ [mm]	3	3	3
Weight [kg]	25	25	24
Dimensions [cm]	48W x 93L x 66H		
Torque Transducer and Controller			
Maximum Torque [\pm N-m]	50	NA	50
Resolution [mN-m]	2	NA	2
Scale Factor [N-m/Volt \pm 2%]	5	NA	5
Bandwidth [Hz ¹]	300	NA	300
Risetime [ms ²]	1.2	NA	1.2
Zero Drift [mV/°C]	0.2	NA	0.2
Non-linearity [\pm % Full Scale]	0.2	NA	0.2
Hysteresis [\pm % Full Scale]	0.2	NA	0.2
Non-repeatability [\pm % Full Scale]	0.05	NA	0.05
Offset Knob Adjustment Range [\pm mV]	50	NA	50
Gain Switch Ranges	x1, x5, x10	NA	X1, x5, x10
Safe Overload [\pm N-m]	75	NA	75
Connection ³	4-pin Plug	NA	4-pin Plug
General Specifications			
Operating Temperature [°C]	0-40	NA	0-40
Power Required	100-240 VAC, 50/60 Hz. available	NA	100-240 VAC, 50/60 Hz. available
Power Consumption [W]	20	NA	20
Controller Weight [kg]	2.5	NA	2.5
Sensor Weight [g]	250	NA	2.5
Dimensions [cm]	21W (1/2 rack mount) X 25D x 9H (2U)	NA	21W (1/2 rack mount) X 25D x 9H (2U)

¹ at -3dB point

² 10-90%

³ Connector Part Number: Lemo FGG.0B.304.CLAD52