

Room Temperature Piezo Stage • Lab series

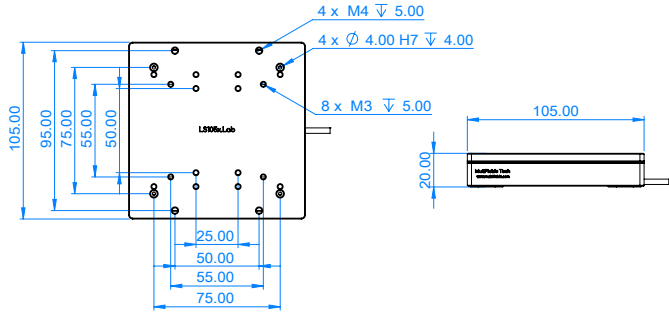
	Linear Motion Unit	
	X/Y	Z
35 mm	 LS35x.Lab series	 LS35z.Lab series
65 mm	 LS65x.Lab series	 LS65z.Lab series
80mm		 LS80z.Lab series
105mm	 LS105x.Lab series	
	.NM Non-magnetic, .HV, High Vacuum Version, .UHV, Ultra High Vacuum Version	

“Lab series” Linear Stage — LS105x.Lab

Balance of Speed, Travel Range and Resolution, Quiet Motion

- Feature
- Quiet Motion
 - Self-lock
 - Higher Payload Capability
 - Nanometer Resolution
 - Optical Sensor Inside

➤ Photo & Drawing



➤ Specification

LS105x.Lab

1	Optional	.HV, High Vacuum Version; .UHV, Ultra High Vacuum Version; .NM, Non-magnetic Version;
2	Footprint × Height	105 × 105 × 20 mm
3	Material	Aluminum, Stainless Steel, Ceramic
4	Mass	650 g
5	Travel Range	60 mm
6	Driving Frequency	Max. 20 kHz
7	Cable & Connector	Standard/HV, shield cable and D-Sub15 plug; UHV, Kapton, PEEK D-Sub15
8	Max. Velocity	~ 20 mm/s(Reduce to 10% in Vacuum)
9	Minimum Incremental Motion (Close-loop)	10 nm
10	Max. Push Force	3 N
11	Holding Force	5 N
12	Pitch/Yaw	0.2 mrad
13	Max. Payload (horizontal mounting)	4 kg
14	Sensor Type	Optical Sensor
15	Sensor Resolution	2 nm
16	Controller	MC-Newton.S series

* For detail drawing and 3D model please contact us.