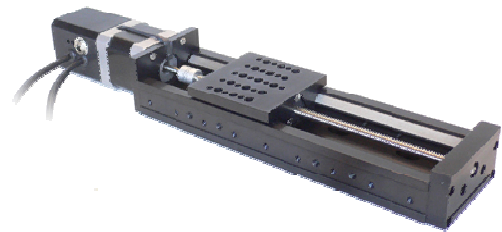


# T-LSR150A



**General Microtechnology & Photonics**  
Systems for Industry, Research, Telecom & Medicine

*Motorized Linear Slide, 150mm travel,  
RS-232 plus manual control, Kit*



Specification	Value	Alternate Unit
Microstep Size (Resolution)	0.09921875 $\mu$ m	0.00391 mil
Range	150 mm	5.906 in
Accuracy	< 45 $\mu$ m	< 1.772 mil
Repeatability	< 2.5 $\mu$ m	< 0.0984 mil
Backlash	< 5 $\mu$ m	< 0.1969 mil
Minimum Speed	0.00093 mm/s	0.00004 in/s
Speed Resolution	0.00093 mm/s	0.00004 in/s
Maximum Speed	4 mm/s	0.157 in/s
Maximum Force	300 N	67.3 lb
Maximum Continuous Force	100 N	22.4 lb
Maximum Centered Load	200 N	44.9 lb
Maximum Cantilever Load	200 N-cm	283.2 oz-in
Guide Type	Roller bearing	
Stage Parallelism	< 100 $\mu$ m	< 3.9 mil
Power Supply	12-16 VDC	
Power Plug	2.1 mm center positive	
Maximum Current Draw	800 mA	
Linear Motion Per Motor Rev	1.27 mm	0.050 in
Motor Steps Per Rev	200	
Integrated Controller	Yes	
Controller Resolution	1/64 of a step	
Data Cable Connection	Minidin 6 M/F	
Mechanical Drive System	Precision leadscrew	
Limit or Home Sensing	Magnetic home sensor	
Manual Control	Knob with center detent	
Axes of Motion	1	
Power and Com LEDs	Yes	
Mounting Interface	M6 threaded holes and 8-32 threaded holes	
Overall Length	351 mm	13.819 in
Overall Width	65 mm	2.559 in
Overall Height	43.5 mm	1.713 in
Stage Length	65 mm	2.559 in
Stage Width	65 mm	2.559 in
Stage Height	35.8 mm	1.409 in
Compatible Products	T-LS Motorized Stages, TSB Manual Translation Stages	
Operating Temperature Range	0 to 75 degrees C	
Vacuum Compatible	No	
RoHS Status	Compliant version available	

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