



Part number:

LST-10A

Subminiature Linear Stage:

Series of motorized high-precision stages

Travel range:

4-6-10mm

Motor type:

2 Phase bipolar Stepper

Motor Voltages:

5 -24V DC

Motor current:

Maximum 200mA

Microsteps per rotation:

3000

Anti-backlash nut/screw pitch:

0.3mm / turn

Moving platform:

Recirculating cross roller bearings

Yaw/Pitch angle:

75 μ rad

Bi-directional repeatability:

2 μ m

Positioning error:

less than 2 μ m over 10mm travel

Maximum rated speed:

2.5mm/s

Maximum normal load:

10N


End of travel limit switches:

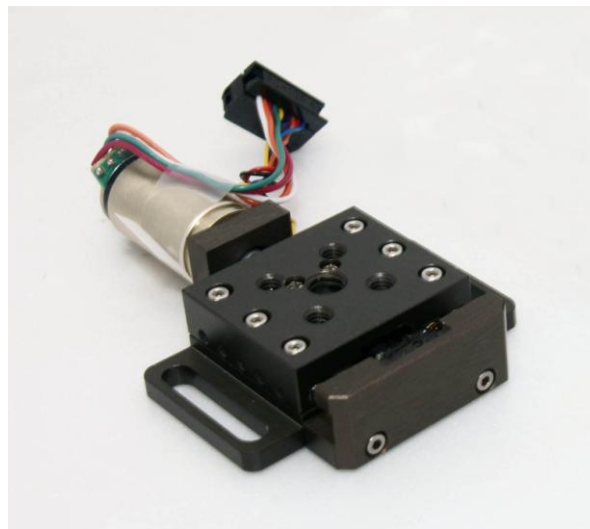
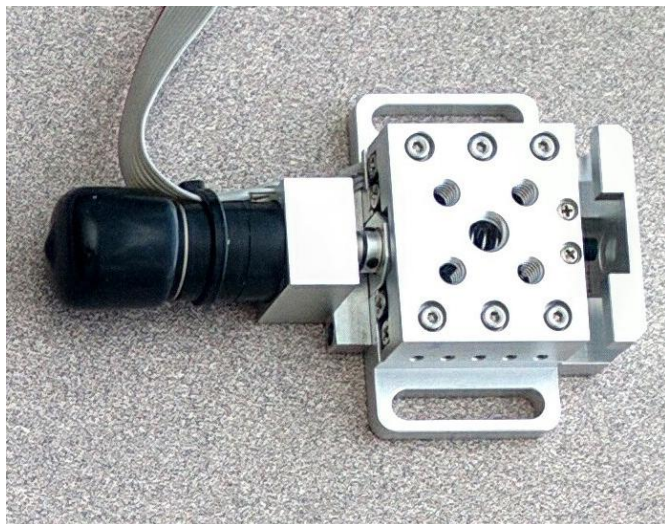
Non-contact optical

Linear encoder (optional):

1 micrometer resolution

Recommended controller:

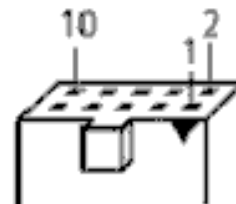
SSP-21 



LST-10A

Pinout diagram

Pin 1	Phase A +
Pin 2	+5V DC
Pin 3	Phase B +
Pin 4	Phase B -
Pin 5	Ground
Pin 6	Phase A -
Pin 7	NC
Pin 8	Limit switch +
Pin 9	Limit switch -
Pin 10	GND





- The high-precision linear stages of the **LST-10** series are characterized by high precision, which is necessary for demanding **R&D** applications.
- Due to their suitability for continuous operation, they are also an appropriate choice for industrial applications. The special guides provide backlash-free motion and a high load capacity.
- The lead screw is Teflon coated and ensures high precision movement as well as a high life time. All aluminum parts have a top quality black anodized protective coating.

