



Part number:

LST-10

Subminiature Linear Stage:

Series of motorized high-precision stages

Travel range:

4-6-10mm

Motor type:

2 Phase bipolar Stepper

Motor Voltages:

6 -30V DC

Motor current:

Maximum 200mA

Encoder pulses per rotation:

1024

Microsteps per rotation:

3000

Anti-backlash nut/screw pitch:

0.3mm/turn

Moving platform:

Recirculating crossroller 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:

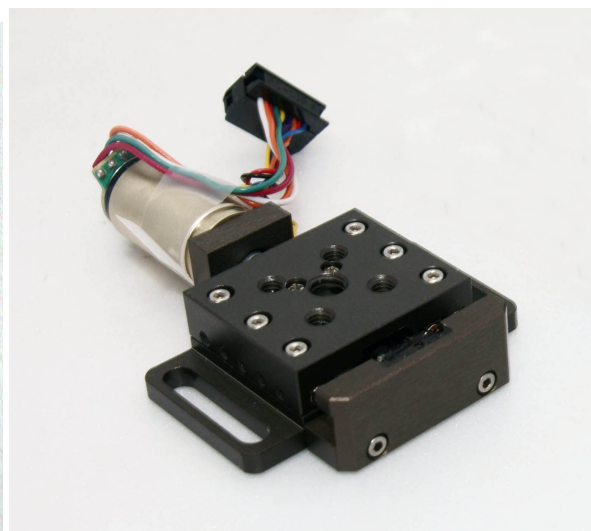
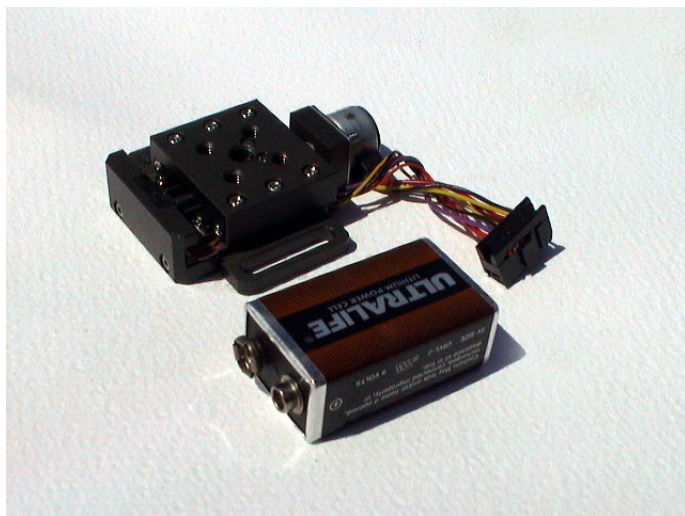
15N

Available options:

Non-contact limit switches, Index

Recommended controller:

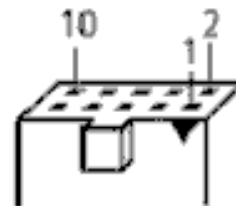
SSP-21 



LST-10

Pinout diagram

Pin 1	Index
Pin 2	+5V DC
Pin 3	Ch A
Pin 4	Ch B
Pin 5	Ground
Pin 6	Limit Switch (optional)
Pin 7	Phase A +
Pin 8	Phase A -
Pin 9	Phase B +
Pin 10	Phase B -





- 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.

