



Part number:

LDC-10

Subminiature Linear Stage:

Series of motorized high-precision stages

Travel range:

4-6-10mm or 4"

Motor type:

2 Phase bipolar Stepper or DC Servo brushed

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:

0.3 μ m

Positioning error:

less than 1 μ m over 10mm travel

Maximum rated speed:

2.5mm/s

Maximum normal load:

15N

Available options:

Non-contact limit switches, Index

Recommended controller:

DSP-21



LDC-10

- The high-precision linear stages of the **LDC-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.

