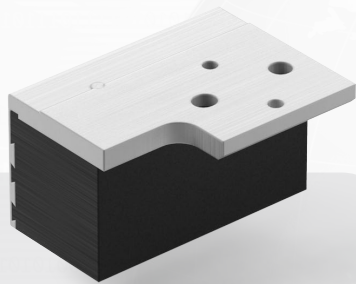


Accessories

Absolute accuracy	100 μm
Repeatable accuracy	$\sim 30 \mu\text{m}$
Resolution	5-10 μm
Output	1 Vpp SinCos signal
Signal Period	24 mm



Analog Hall Module

Cost efficient positioning

Linear motors can be positioned extremely accurately by using optical encoders and rulers. If this is not required this expensive setup can be replaced by an analog Hall module. This module uses the magnet track, as opposed to the ruler, as the linear scale. It can be easily mounted on our iron core motors and communicates with practically all standard servo controllers. The analog Hall module requires a standard 5V_{dc} power supply.



Magnet Plate Covers

Added protection

Optional stainless steel covers are available to protect the magnet plates of all our iron core motors. They are ideal for scenarios where it is likely that falling particles can cause damage to the tracks during operation. The covers can also be used during assembly to protect the tracks from damage caused by tools. They have no influence on performance, so they can remain in place or be removed to display the shiny black exterior of the magnet plates.



Digital Hall Module

Commutation

For commutation, we have an optional digital Hall module that can be used with our entire range of linear motors. Its sensors provide 3 digital outputs, each phase shifted 120 degrees, to determine the electrical angle between coils and magnets. If you do not use a controller that allows you to commutate within the servo drive, this module can be a cost-effective alternative. The digital Hall module requires a 4.5 to 28V_{dc} power supply.

To download our linear motor simulation tool, 3D & CAD files, installation manuals, product specifications and more, visit our website at:

www.tecnotion.com



Simulation Tool

Analyze your application

Save precious time by using our FREE linear motor simulation tool. Our specialized software helps you find the right motor for the right application and generate reports within seconds, without having to make time consuming calculations by hand. The tool will provide you with diagrams for position, velocity, acceleration, jerk, force, power, voltage, current, temperature, force vs. velocity and more.