



PRODUCT HIGHLIGHT

LAS04-19-000A

HOUSED LINEAR VOICE COIL ACTUATOR WITH INTEGRATED SENSOR

The LAS04-19-000A is the latest model in Sensata - BEI Kimco's line of cylindrical housed linear voice coil actuators. The miniature actuator delivers reliable, precise linear motion in one of the smallest packages available on the market, making it ideal for handheld medical or other applications. This actuator is also available in a developer's kit configuration.

PRECISE CONTROL

Sensors integrated into the VCA allow for position feedback and tighter control

EFFECTIVE FORCE DELIVERY

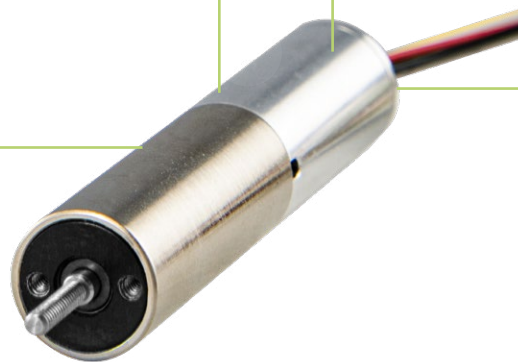
Delivers peak force of nearly 0.5 lbs despite miniature footprint

COMPACT DESIGN

One of the smallest VCAs with an integrated sensor on the market

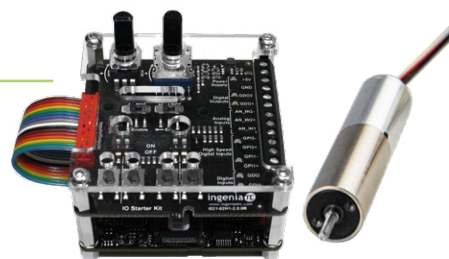
FULLY HOUSED

Housing includes self-aligning bearings for simple installation



DEVELOPER'S KIT CONFIGURATION

Developer's Kit option includes a PC-operated microcontroller, allowing design engineers to quickly develop an actuation system and demonstrate a working design concept.



SPECIFICATIONS

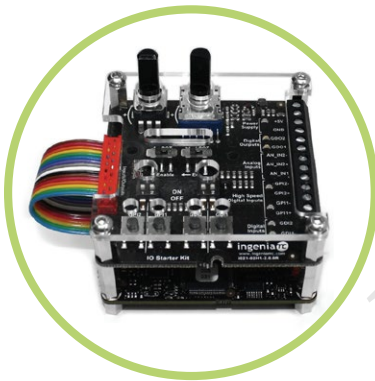
Body Diameter	Body Length	Peak Force	Current at Peak Force	Continuous Stall Force	Total Stroke	Resolution
9.5 mm / 0.37 in	47.9mm / 1.88 in	2.8 N / 0.63 lb	1.48 A	1.11 N / 0.25 lb	4 mm / 0.16 in	10 microns

DEVELOPER'S KIT SYSTEM

The Voice Coil Actuator (VCA) Developer's Kit from Sensata - BEI Kimco's is a completely self-contained kit including a VCA with built-in feedback sensor and a programmable controller with motion control software that runs on the user's local PC.

The controller includes an I/O board featuring 4 digital inputs, 1 LED per digital input and 2 analog inputs. The Developer's Kit also includes a digital servo drive, I/O ribbon cable, USB 2.0 A male to USB micro B male cable, and a key flash drive.

Pluto Servo Drive



Digital Servo Drive Specifications

	Pluto Servo Drive
Full PID Control	Current/Torque Servo Loop Velocity Servo Loop Position Servo Loop Operating Modes
Communications	USB 2.0 CANopen
Inputs and Outputs	4x digital inputs 2x analog inputs (12 bits) 2x digital outputs
Supply Voltage*	12 VDC to 48 VDC
Dimensions	60mm X 60mm x 51mm
Weight	90g
<p>The Sensata - BEI Kimco VCA Developer's Kit is supplied with a Pluto Digital Servo Drive by Ingenia Motion Control. This is an open frame, compact miniature DC servo drive. *Customer must provide the power supply.</p>	

ORDERING OPTIONS

LAS04-19-000A	LAS04-19-000A Voice Coil Actuator (Actuator Only)
DK-LAS04-19-000A	Developer's kit that includes LAS04-19-000A Voice Coil Actuator

Other actuator options available, for more information visit sensata.com

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