



ADVANCED LIQUID HANDLING, INC.

SMPL5

Microsyringe Drive

Let ALH **SMPL5** your life with our new microsyringe drive. Our patented microsyringe drive is designed to give everyone a hand -- from the industrial, mechanical, and electrical designers to the users in the lab.

Its small footprint allows the industrial designer easy design options for a small, attractive package. The mechanical designer is helped with the easy installation, and the tested and customer friendly design that has NO backlash. The electrical designer can be happy because we use standard stepper motors and sensors.

The lab users are given a big hand because of our manually removable syringe, that eases cleaning and changing. It is not necessary to operate the syringe from a remote electrical source. It is manually positionable and removable.

Let ALH give you a hand with your autosampling for GC, reagent additions, and transfer pipetting. Do you need to **SMPL5** your application?



Can We Give You a Hand?

Features and Benefits

- Complete package
- No backlash
- Near absolute linearity
- Easily, manually removable syringe
- Positionable without power
- Redefines economical
- Small and Compact
- Quiet
- Light weight
- Elegantly simple
- Adaptable
- Custom mounting
- Flexible / user- defined installation

Specifications

Size: 5.25"(133mm)L x 2.5"(64mm) W x 1.88"(48mm)D

Weight: 9.5 oz(270g)

Capacity: Maximum syringe volume: 1 ml

Force: Up to 5 lbf (2.25kgf)

Speed: Typical Max= 1 second full stroke

Resolution: 2000 steps @ 60mm stroke

Power: 0.95 amp @ 4 VDC

Sensor: 5 VDC optical (totem pole output)

Accuracy and Precision:

Accuracy and precision are typically better than 1% and 0.01%, respectively depending on electronics, software and hydraulic connections.

Specifications subject to change without prior notice.

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