



CONTROL ANY SINGLE AXIS FROM SUTTER STEPPER MOTOR MANIPULATOR COLLECTION

25 mm OR 50 mm LENGTH OF TRAVEL

ABSOLUTE AND RELATIVE MODES

USER DEFINED WORK AND HOME POSITIONS IN ABSOLUTE MODULE

PULSE MODE

USB CONNECTIVITY



(Shown with SOLO-50)

SOLO SINGLE AXIS MANIPULATOR CONTROLLER

The **SOLO** is an extremely easy to operate single axis controller capable of running any single axis from Sutter's line of stepper motor manipulators. The compact design of the **SOLO** controller requires minimal bench space and provides quiet, fan-free operation.

The **SOLO** controller features user defined Home and Work positions. Press and hold the Work button to quickly store a work position; press Work again and the manipulator will return to the same location. Home sends the manipulator to an initial location or any user defined position. Position coordinates, in relative or absolute values, are displayed directly on the ROE. A Pulse button activates a discrete 3 micron movement of the axis.

Speed of movement is determined by how fast the ROE knob is turned. We have added three distinct speeds to give the user extreme control over movement. The combination of three speeds and the knob speed control makes the **SOLO** an ideal, ultra-reliable controller for sub-micron movement.

Single axes are available in lengths of 25 mm or 50 mm. The **SOLO** is suitable for *in vivo* experiments that require only one motorized axis. Additionally, this single axis controller can be used as a sub-micron focusing system as seen in the Sutter **SOM** and **BOB** microscopes. Or add a fourth axis to your existing Sutter manipulator to create a true four-axis motorized *in vivo* and *in vitro* manipulator (such as the **QUAD**).

USB connectivity and open source commands, along with built-in features such as Work & Home positions, and Pulse mode, make this single axis controller the ideal device for the do-it-yourself scientist.

APPLICATIONS

- Can be used with a single axis micromanipulator to design a focus drive for your researcher-made microscope.
- Can be used to add a 4th axis to a 3-axis Sutter manipulator
- Ideal for *in vivo* experiments

SOLO SINGLE AXIS MANIPULATOR CONTROLLER

- SOLO-25** SOLO controller with single axis with 25 mm travel
- SOLO-50** SOLO controller with single axis with 50 mm travel
- SOLO-70** SOLO controller with single axis with 70 mm travel

Adapters are available to connect your Sutter single axis manipulator to many instruments. Phone Sutter for details.

SOLO ACCESSORIES

For 25 mm axis

- SO-NG25** Stereotaxic adapter for Narishige
- SO-ST25** Stereotaxic adapter for Kopf/Stoelting

For 50 mm and 70 mm axis

- SO-NG** Stereotaxic adapter for Narishige
- SO-ST** Stereotaxic adapter for Kopf/Stoelting

SUTTER INSTRUMENT

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