

Lever Action Micromanipulator



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This high-resolution micromanipulator 'A' is the ultimate combination of natural, drift free accuracy with intuitive, ergonomic controls. It is ideal for use in applications such as patch clamping, electrophysiology, DNA injection and IVE. The single fine control lever 'B' has been designed to generate precisely the type of movement which is best suited to working within the space in focus under medium to high optical magnifications. Unlike other micromanipulators, this lever action micromanipulator has no lost motion or backlash and exceptionally low drift. The single control lever 'B' provides horizontal movement covering a 0.75 mm diameter circle at the lowest reduction setting of 100:1, reducing to 0.15 mm at the highest reduction setting of 500:1. Fine vertical movement is achieved by rotating the control lever with 350 micron per revolution resolution. Total travel is 5 mm. Microelectrodes or injection pipettes can easily be positioned repeatedly within 0.5 micron. A coarse control lever 'C' provides a 25:1 reduction ratio.

- Designed for total elimination of drift
- No lost motion or backlash
- 3D movement from a single control
- Separated vertical approach to the specimen
- Variable reduction
- No servicing or maintenance required
- Fast and reliable positioning
- Stage mounted for reduced vibration
- Combined coarse and fine controls
- Mounts on to all inverted and upright microscopes

Catalog No.	Product
CGS 8042.38	Lever Action Micromanipulator



Axial Drive Single Tool Holder

The axial drive single tool holder offers independent movement of microtools in every axis. An integrated slide mechanism provides 16 mm of vertical movement. This offers greater flexibility and speed when setting up microtools. It is supplied with a micropipette holder which accepts 1.0 mm diameter pipettes or electrodes. Other diameters available on request.

Catalog No.	Product
CGS 8043.38	Axial Drive Single Tool Holder

Axial Drive Headstage Tool Holder

Similar to the single tool holder, but is designed to accept headstages for use with various types of amplifiers.

Catalog No.	Product
CGS 8044.38	Axial Drive Headstage Tool Holder

Variable Reduction Lever Stages

- Variable reduction ratio
- No movement reversal
- Fast and reliable positioning
- No servicing required

The variable reduction lever stage 'E' attaches directly to the RIFS fixed stage and incorporates a special slide so that the reduction ratio can be varied between 4:1 and 10:1. Being joystick controlled, horizontal movements can be controlled by a single lever giving fast and simple control of the specimen. The output can position either standard slides, 35 or 50 mm petri dishes.

Catalog No.	Product
CGS 8045.38	Variable Reduction Lever Stage for Standard Slides
CGS 8046.38	Variable Reduction Lever Stage for 35 mm Petri Dishes
CGS 8047.38	Variable Reduction Lever Stage for 50 mm Petri Dishes