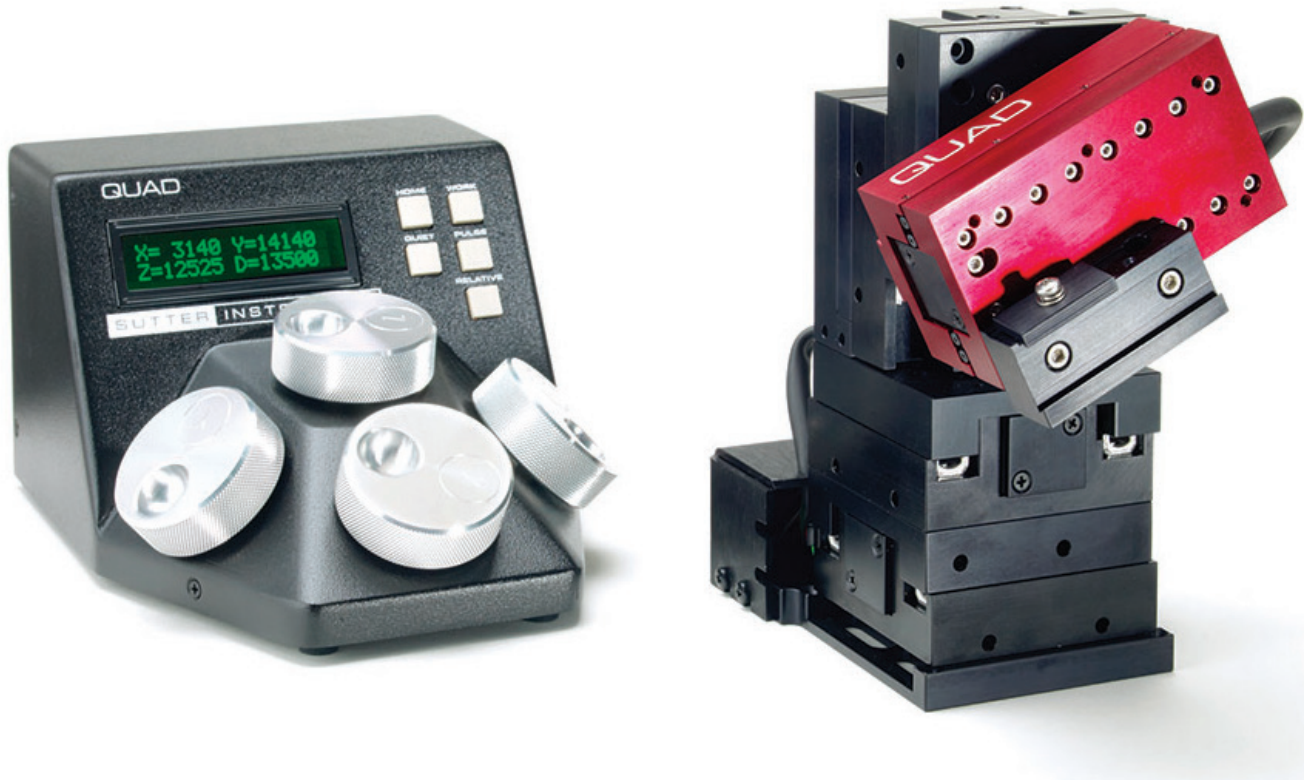




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Instrumenting scientific ideas

QUAD® 4-axis motorized manipulator

SU-QUAD-L/SU-QUAD-R



The QUAD® motorized micromanipulator is easy to use and features four independent axes. Each axis has a 25 mm range of motion, a digital display of position and a control box. The compact, intuitive controller takes up minimal bench space, is fan free and is easy to use. Three axes provide the X, Y, Z-orthogonal motion typical of most motorized micromanipulators. The QUAD® features a true fourth axis to move the electrode coaxially at exactly the desired angle of approach. The fourth axis has 30 mm of travel that significantly extends the range of travel for the system. The QUAD® is very easy to operate. The control box inputs for each axis allow facile manual control of electrode position. Five conveniently located buttons control all of the basic functions that you need in normal operation.



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Features

- Four independent axes - 30 mm travel in diagonal for coaxial pipette movement, 25 mm travel in X, Y and Z
- Sub-micron 100 nm resolution
- Quiet mode eliminates electrical noise
- True diagonal assures coaxial movement
- USB interface for computer control

Applications

- Suited for *in vivo* and *in vitro* electrophysiological recording
- Cell penetration
- Applications with noise-sensitive recordings

Benefits

- Compact, fanless, user-friendly control box preserves bench and rack space
- Push button control of multiple functions - WORK, HOME, LOCK, PULSE and RELATIVE
- Robotic HOME and WORK position moves for easy automated pipette exchange
- Display indicates coordinates in relative or absolute
- Five conveniently located control buttons
- When you are ready to begin collecting data, the motor drive electronics can be suppressed

Part #	Description
SU-QUAD-L	4-Axis Motorized Micromanipulator, left hand
SU-QUAD-R	4-Axis Motorized Micromanipulator, right hand
505069	Z-Axis Vertical Extension for Quad/Trio
505070	Mounting Adapter Plate for Quad
505071	Rotating Base for MP225 Mechanical
505073	4" Dovetail Extension
505085	Rod Holder for Motorized Manipulator

SPECIFICATIONS

Travel	30 mm on the diagonal 4th axis 25 mm on the X, Y and Z axes
Control Box	5.5 x 7.5 x 4" (14 x 19 x 10.2 cm)
Weight	2.2 lbs. (1.0 kg)
Power	115/230 V, 50/60 Hz

WORLD PRECISION INSTRUMENTS

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