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TRIO™ 3-Axis motorized manipulator–X,Y,Z control

SU-TRIO245

Features

- Three independent axes - 25 mm orthogonal travel in X, Y and Z
- Sub-micron (less than 100 nm) resolution
- Carries up to a kilogram
- DIP switches on the control box select the direction of movement produced by turn of the control box knob
- USB interface for computer control
- The TRIO™ comes standard with a universal mounting system suitable for the most popular headstages or pipette holders



Benefits

- User selectable angle from 0 - 90° via the control box input
- Fast movement with a top speed of 3 mm/sec (while homing)
- Mechanically robust construction for high stability
- Compact, fanless, user-friendly control box controller preserves bench and rack space
- Push button control of multiple functions - WORK, HOME, LOCK, PULSE and RELATIVE
- Mechanical designs and software algorithms allow the motors to power down completely during recording

Applications

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

Part #	Description
SU-TRIO235	3-Axis Motorized Micromanipulator with X, Y, D Control
SU-TRIO245-L	3-Axis Motorized Micromanipulator with X, Y, Z Control, left hand
SU-TRIO245-R	3-Axis Motorized Micromanipulator with X, Y, Z Control, right hand
505069	Z-Axis Vertical Extension for Quad/Trio
505071	Rotating Base for MP225 Mechanical
505073	4" Dovetail Extension
505074	Mounting Adapter Plate
505085	Rod Holder for Motorized Manipulator

Basic systems include the manipulator, controller, rod holder, 4 inch dovetail extension, mounting adapter plate, Z-axis vertical extension, cables, and power supply



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SPECIFICATIONS

Travel	SU-TRIO235: 25 mm on X and Y, 50 mm on diagonal SU-TRIO245: 25 mm on 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

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