

MO-202U

Three-axis Joystick Oil Hydraulic Micromanipulator

Return of an acclaimed design with outstanding ease of use.

This oil hydraulic joystick micromanipulator won considerable attention as an innovative model as soon as it went on sale, principally because of its smooth three-dimensional operation using a single lever. Since that time, it has been widely used by many customers, whose requests for restoration of its former shape and other discontinued features are met in this latest model. Those features include the tall upright joystick control section with plastic hand-rest and full, 500 μ m rotation movement. In addition, a slimmer driving unit and attachment of the [UT-10](#) as an accessory make this model easier than ever to use.



- * For attachment to the microscope, a coarse manipulator and suitable mounting adaptor are required (sold separately).
- * Select TypeB adaptor for mounting this manipulator in combination with [MMN-1](#) coarse manipulator.
- * Changing the universal joint included with the micromanipulator to the double pipette holder [HD-21](#) (sold separately) enables performance of embryo biopsy.
- * Changing the universal joint included with the micromanipulator to [MMO-220A](#) one-axis oil hydraulic micromanipulator (sold separately) enables four-dimensional remote controlled movement.

MO-202U

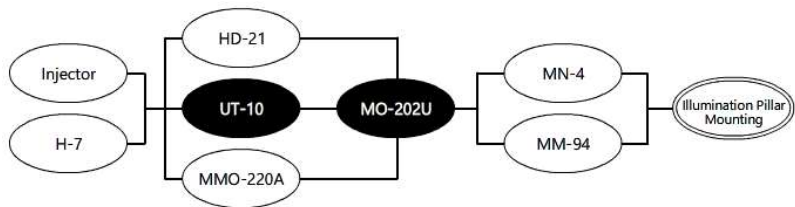
Three-axis Joystick Oil Hydraulic Micromanipulator




Specification

| | | |
|-----------------------|--------------|--|
| Accessories included | | UT-10 Universal Joint (with Angle Gauge) Hex Wrench |
| Movement range | Fine | X10mm, Y10mm, Z10mm Full rotation of knob 500μm Minimum graduation 4μm |
| Movement range | | Joystick (for maximum movement in X-Y plane) 2mm |
| Dimensions/Weight | Control unit | W130 × D130 × H220mm, 1.86kg |
| | Drive unit | W40 × D51 × H87mm, 180g |
| Hydraulic tube length | | 0.9m |

* Please contact your local Narishige representative for the model with full rotation of knob 250μm.

System Diagram



-  refers to the model itself with standard attachments
-  refers to attachable main accessories
-  refers to types of mounting adaptors