

MN-151

Joystick Micromanipulator

Light, compact, easy-to-operate manual manipulator with joystick.

Designed to be light and compact for diverse applications, this manual micromanipulator features joystick control for excellent operability. The joystick enables the micropipette to be freely controlled on the X and Y planes, and coarse movement is provided on the X, Y and Z axes. The Z-axis offers fine movement as well, making vertical adjustment both easy and accurate: used with the joystick, it also enables three-dimensional fine movement. A ball joint is attached so that approach angles can be set without interfering with the joystick operation. The model's versatility also extends to installation, with a bar mount system which allows attachment by either a magnetic stand or mounting adaptor.



- * For attachment to the microscope, [P-1A](#) height adjustment plate included and a suitable mounting adaptor (sold separately) are required.
- * The ball joint included with the micromanipulator can be replaced by [MMO-220A](#) one-axis oil hydraulic micromanipulator (sold separately).

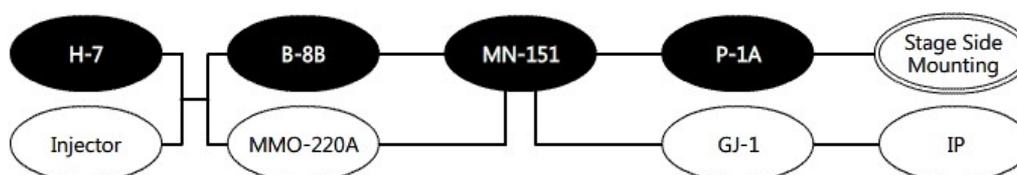
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Specification

Accessories included		B-8B Ball Joint P-1A Height Adjustment Plate H-7 Pipette Holder Hex Wrench
Movement range	Coarse	X25mm, Y20mm, Z25mm
	Fine	Z8mm Full rotation of fine knob 250µm Minimum graduation 5µm
	Joystick control	1:150 - 1:15 (X-Y plane movement ratio)
Dimensions/Weight		W115 × D42 × H165mm, 470g

System Diagram



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

Specifications are subject to change without notice.

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