## MMO-202ND II Three-axis Hanging Joystick Oil Hydraulic Micromanipulator

Three-axis Hanging Joystick Oil Hydraillic Micromanipulator
Three-axis Hanging Joystick operations in an intuitive
manner
The MMO-202ND micromanipulator features an oil hydraulic joystick
enabling smooth three-dimensional movement. Since operation is
intuitively done by joystick, its suited for handing a drifting specimen.
The hanging joystick allows users to maintain operation with their ammapulator
hand palead confidentally on the table for longer periods. A coarse
manipulator lab available for tax is in combination with their ammapulator
Accessors rocked
Pico Res. UT-2 Livensel Joint, Hie Wench
Movement manne
The MMO-2010
The Micromonetator X-Y gland 2 mm

I verimum graduation Joyašick (for maximum movement in X-Dimensions/Weight Control unit W165 x DB0 x H175 Drive unit W40 x D46 x H87 mm Hydraulic tube length 0.0 m Please ontrol verification Please contact your IMMO-202ND-500

tor in combination with MMN-1 coarse



MO-202U II Three-axis Joystick Oil Hydraulic Micromanipulator

Unight joystakt with spatial managed the Unight joystakt with second and the The Mo-2021 micromanipulation can be operated a monthly by three-dimensional all mythoral lo yealsk. These operation is multiwely done by joystakt, it is suited for harding a drifting spectrem. The updgift joystakt with a hard net permitism more precise control. A case manipulator is also available for use in combination with this manipulator.

Control C

daptor for mounting this manipulator in combination with MMN-1 coarse

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MI-4 MI-2 MI-22 MI-22

Mi-4 Millerington Plar Mourting



The MMO-203 mid smooth, vibration- the vernier type, it fine operation and manipulator is also	Hydraulic Mice rational lin cromanipulato free, three-din features a big high reproduce available for	omanipulator earity on each axis by knob provides hydraulic drive system with resional movements. As a successor cylinder control unit which enables ver tion of the linear position. A coarse use in combination with this manipulato	,	
Accessories included Movement range	B-8C Ball Joint Fine	H-7 Pipette Holder X10 mm, Y10 mm, Z10 mm	-	100
		Full rotation of knob 250 µm Minimum graduation 1 µm		100 March 100 Ma
Dimensions/Weight	Control unit	Winimum graduation 1 pm W115 x D115 x H132 mm, 1.6 kg	-	A DECK
and the second second in	Drive unit	W40 x D51 x H87 mm, 180 g	-	
Hydraulic tube length	0.9 m		7	Contraction of the
ala		A .	8	
One-axis Oil Hy	draulic Micro	manipulator	bjjder	
dimensional n	nanipulato	pette direction with three-	<u> </u>	

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The MMO-220A micromanipulator features an add-on one-axis oil hydraulic model with which three-dimensional manipulator allows enhanced movement in the same direction of the pipette. The pipette movement in axial direction is able to minimize the chance of damagin the cell.

Movement range	Fine	10 mm Full rotation of knob 250 µm Minimum graduation 1 µm
Dimensions/Weight	Control unit	W70 x D115 x H100 mm, 1.15 kg
	Drive unit	W52 x D20 x H35 mm, 38 g
Hydraulic tube length	0.9 m	







Burnination Pilar Mounting