

**NARISHIGE**

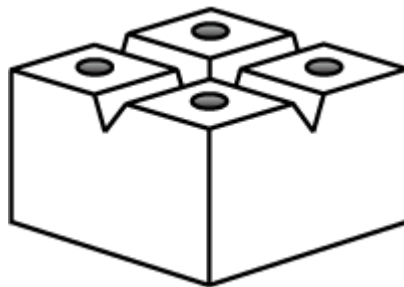
## MHW-4-1

### One-axis Water Hydraulic Micromanipulator

The MHW-4-1 is suitable for experiments in electro-physiological recording that require to avoid drift occurrence. By using with the attachment P-11 (sold separately), it enables use with various manipulators combined at the holder fixing block. This allows vibration-free fine-drive control at the same angle as the electrode, and by rotating the control knob located away from the drive unit, it can be easily operated with fingertips.



### Holder fixing block

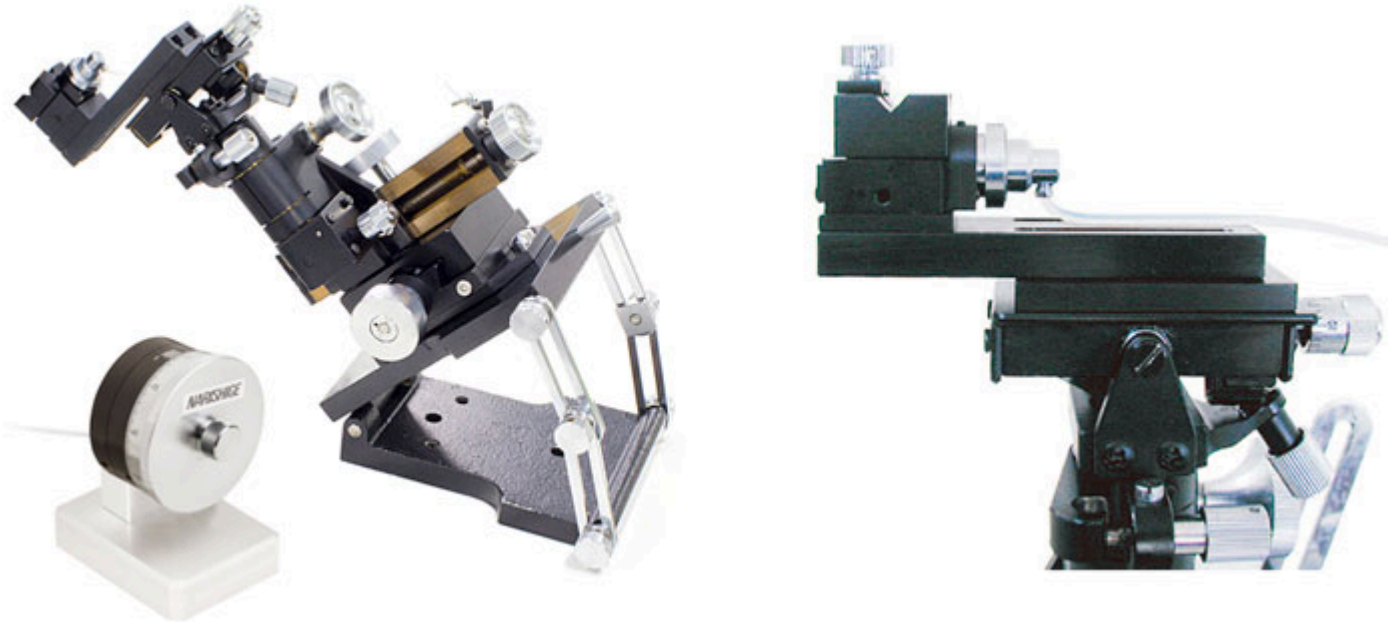


**NARISHIGE**

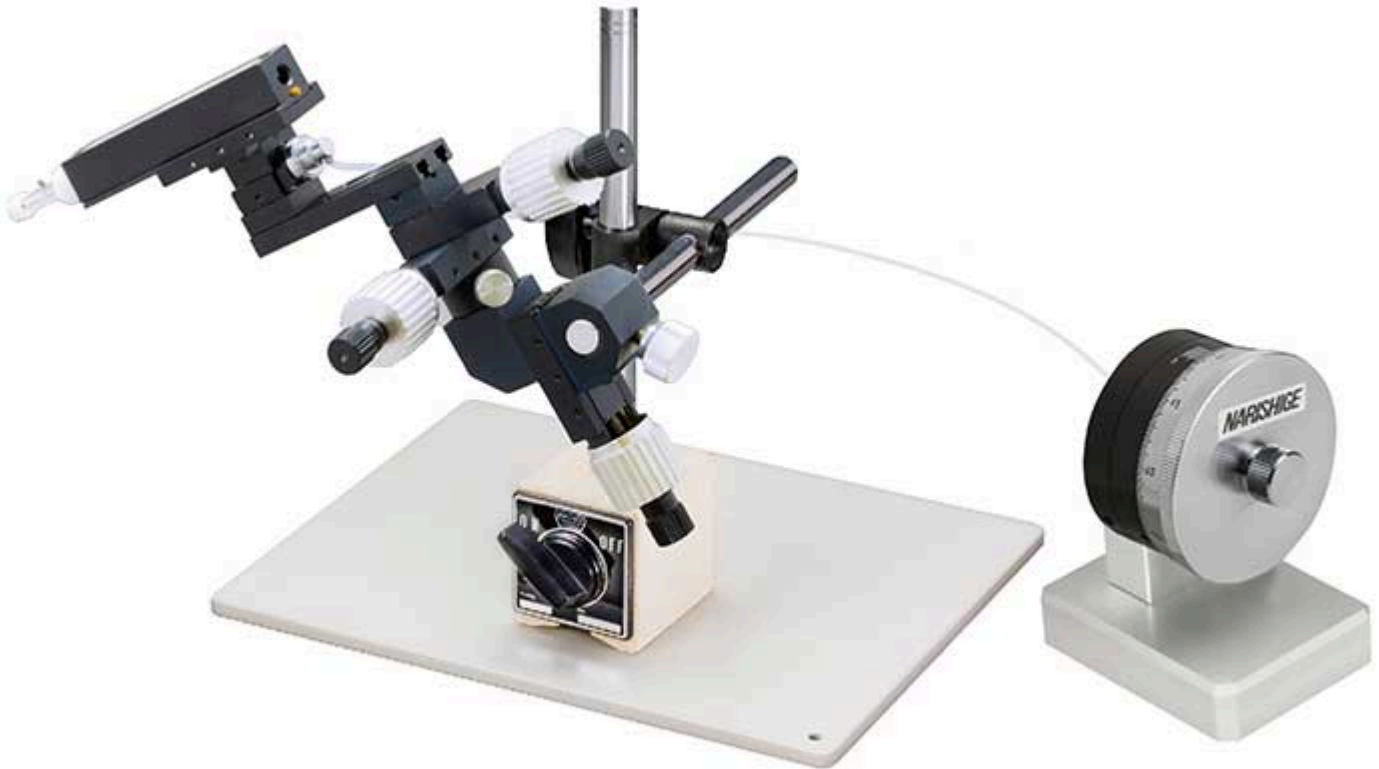
# MHW-4-1

## One-axis Water Hydraulic Micromanipulator

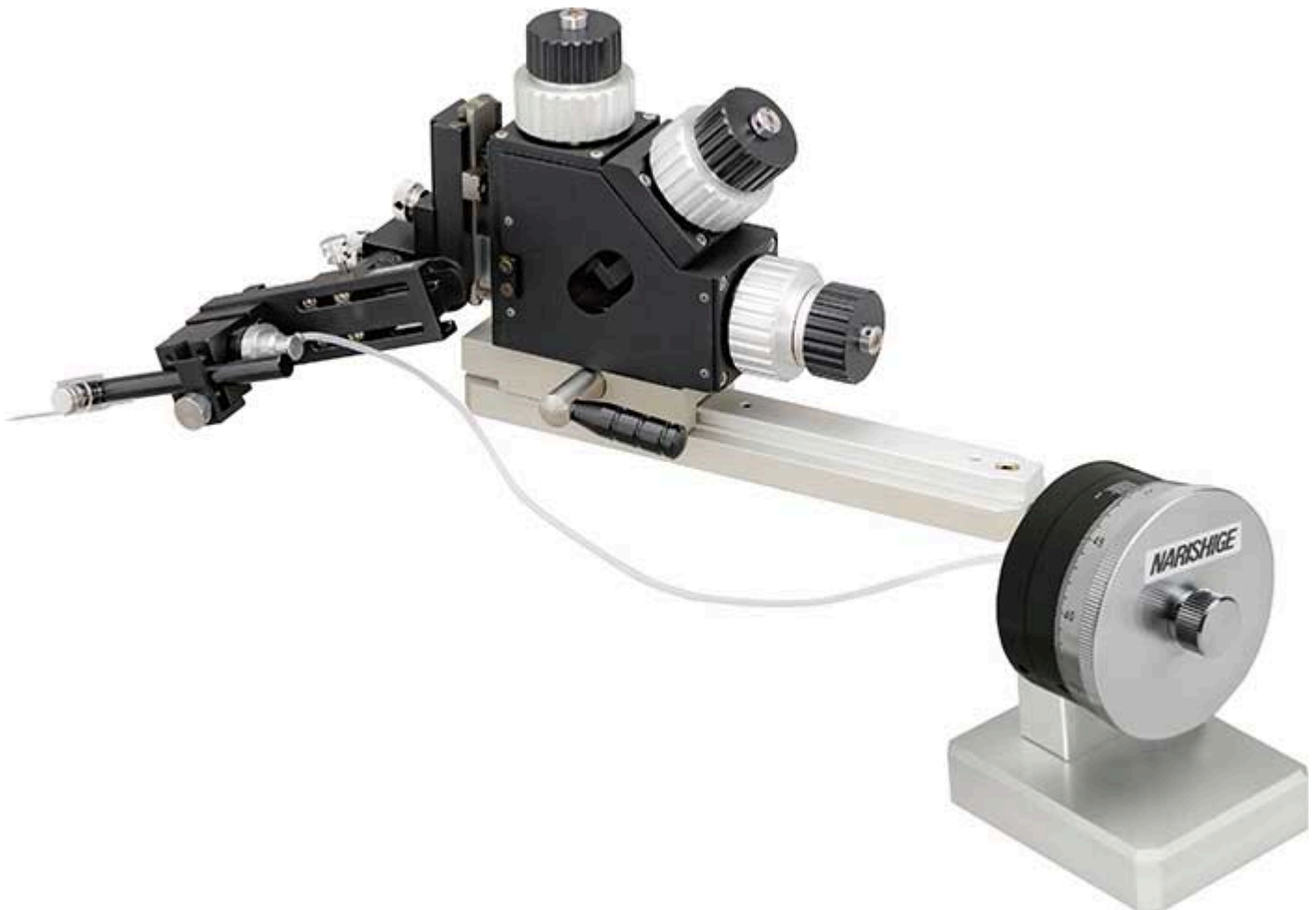
### Set-up examples



Set-up image of MHW-4-1, P-11, and MP-2.



Set-up image of headstage (sold separately), AP-13-3, MHW-4-1, P-11, UMM-3FC, GJ-8 and IP.

**NARISHIGE****MHW-4-1****One-axis Water Hydraulic Micromanipulator**Set-up image of MHW-4-1, P-11 and NMN-21.Set-up image of MHW-4-1, P-11, NMN-25 and NMN-25A.



# MHW-4-1

## One-axis Water Hydraulic Micromanipulator

### Specification

<b>Movement range</b>	<b>Fine</b>	10mm Full rotation of knob 250 $\mu$ m Minimum graduation 1 $\mu$ m
<b>Dimensions/Weight</b>	<b>Control unit</b>	W65 $\times$ D88 $\times$ H93mm, 630g
	<b>Drive unit</b>	W42 $\times$ D28 $\times$ H41mm, 60g
<b>Tube length</b>		0.9m

\* Minimal drift type by 5:1 cartridge system ([MHW-4](#)) is also available.

Specifications are subject to change without notice.

Copyright © NARISHIGE Group. All Rights Reserved. 1999-2025