



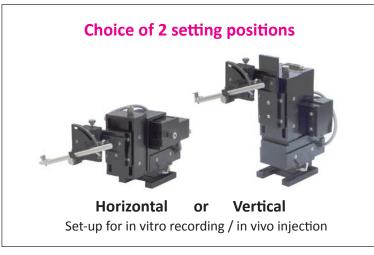
APR. 2017\_EMM2

# More precise, natural control.





Memorize three positions and return funcions



#### **Function**

#### Approach on target is chosen from Z-axis or 4th-axis



Normal mode



XYZ-axes drive (Rotation by each knob)





Drive on the 4th/diagonal-axis (Performed by the Z-axis knob)

#### Memory-Bank function for repeating tasks

All axis

(X, Y, Z, 4th) set as zero

Useful "Zero adjustment" function



When a sequence of procedures needs to be repeated, the memory-bank function becomes very convenient.

Only 4th-axis

seť as zero

\* Memorize up to 3 positions. (MB1/MB2/MB3)

Right before touching a target, the point can be adjusted as zero coordinates.

\* Returning to the MB point can be done with one push of button.

## SF (Super fine)



3 levels

Choice of 3 driving precision with a lever close at hand



\* In the MENU mode, each level can be chosen from 4 grades.



#### Convenient retreat and return function



CLR/RET is used conveniently to retreat the electrode at maximum extent and return it to original position.



## **Optional products**

### Patch clamp headstage holder

Amplifier makers/model		Headstage	Holder
Axon	Axopatch 200B	CV-203BU	AP-13-3
	MultiClamp 700B	CV-7B	
	Axoclamp 900A	HS-9A	
НЕКА	EPC-10		
	EPC-800		

- \* Please contact your local Narishige representative for other models/headstages that are not listed above.
- \* When mounting EPC-10/800 with AP-13-3, please use the dedicated attaching plate provided by HEKA.

#### **Specifications**



Model name	EMM2			
Product name	Three-axis motorize	d micromanipulator		
Movement range	X, Y, Z axis 30mm	each		
Drive system	5-phase stepping motor			
	Resolution	5nm		
	Max. driving speed	2.5mm/sec (Coarse)		
	Working voltage	AC100V~AC240V, 50/60Hz		
Dimensions/	Control box	W430 x H88 x D235mm 5.1kg		
Weights	Drive unit	W136 x H128 x D166mm 1.45kg		
	Control unit	W120 x H56 x D159mm 0.8kg		
	Drum controller	W138 x H131 x D138mm 1.5kg		

EMM2 is NOT compliant with CE marking.

#### NARISHIGE SCIENTIFIC INSTRUMENT LAB.

27-9 Minamikarasuyama 4-Chome Setagaya-ku, Tokyo 157-0062, Japan Tel: +81(0)3 3308-8233 FAX: +81(0)3 3308-2005 e-mail: sales@narishige.co.jp

NARISHIGE CO.,LTD.
27-9 Minamikarasuyama 4-Chome Setagaya-ku,
Tokyo 157-0062, Japan
Tel: +81(0)3 3308-8383 FAX: +81(0)3 3308-8700
e-mail: sales@narishige.co.jp

Website http://narishige-group.com