

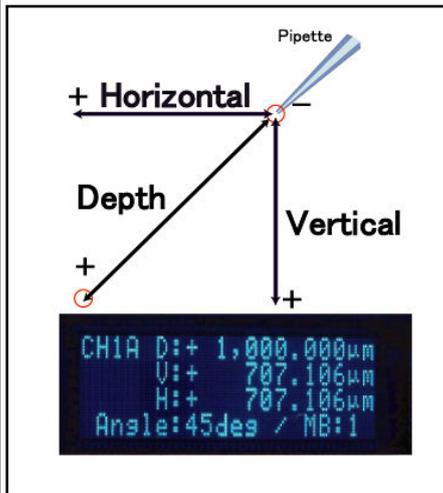
One-axis Motorized Stereotaxic Micromanipulator (with Digital Scale)

## DMA-1511

DMA-1511 is a stereotaxic micromanipulator and comes equipped with a motor in the drive unit that allows electrical remote control which is not possible with conventional products. With the help of digital presentation and built-in digital scale, it allows more precise electrode advancement than working with the scale. Electrically controlled movement offers varied ways of advancing an electrode to a targeted location according to the user's experiment or sensation.

We are proudly offering you this new product that has been certified to meet the CE requirements (EMC/LVD), thus made available to customers in the EU as well as in other parts of the world.

### Real time Digital Position Presentation



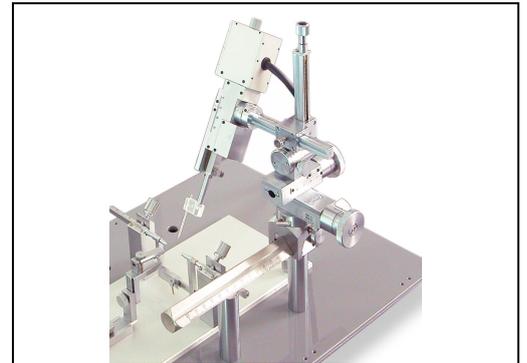
The digital scale in the drive unit calculates the position in real time.

It allows setting an arbitrary point as a reference to display the distance from the reference point, eliminating troublesome calculation during or after the experiment.

Conventionally a position is calculated trigonometrically when the electrode is advanced at an angle. With the DMA-1511, the position is indicated on the display in real time.

### Compatibility with Existing System

DMA-1511 is designed to replace the Z-axis of the SM-11 micromanipulator. SM-11 is used for mounting the product.

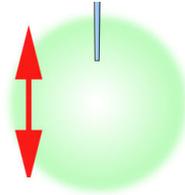


Mounted on the SM-11 (separately available).

### Variety of Movement

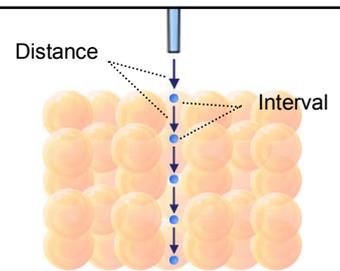
#### Free Drive

This mode allows free movement to the upper or lower direction while the operation key is pressed. In confirming the position, this mode is useful for advancing an electrode close to the sample.



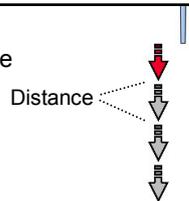
#### Step Drive

This mode repeats a certain distance of movement and interval in turn while the operation key is pressed. In confirming the position, this mode is used for carefully advancing an electrode.



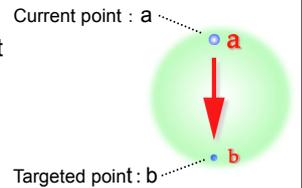
#### Distance Set Drive

In this mode, a movement distance is set. An electrode moves in an upper or lower direction by a configured distance each time the operation key is pressed.



#### Coordinate Set Drive

In this mode, a coordinate is set. The drive unit moves to a targeted point from any position. If you set it to move from point A to point B, the drive unit moves to point B even though it is located at another point.



### Linkage with Brain Maps

Brain maps indicate coordinates from a reference point. The DMA series offers digital presentation that exceeds in compatibility.

### Capability

The control unit employs card-bus structure that allows control of a number of DMA products with one control/operation unit.

**DMA series has advanced the progress of conventional stereotaxic manipulators.**

**If you have any questions, please feel free to contact Narishige Customer Support Center directly.**

If you have any questions or need further information, please contact us.