NARISHIGE WEB NEWS

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Newly Released "EMM-3NV Three-Axis Motorized Micromanipulator"

For patch clamp or slice patch clamp experiments, the EMM-3NV motorized micromanipulator has been improved!!

We modified the design of the drive unit of the former model EMM-3SV to substantially improve stability and precision. Outstanding characteristics of the hydraulic system, sensitivity and smooth operability are electrically reproduced. In this news, we will brief you on the new drive unit and the remarkable features acquired from the EMM-3SV.

—New Drive Unit —

The former delicate design was modified to be more solid and less possible to fall out of adjustment. The duration test proved the EMM-3NV to be dozens of times more resistant than the former model. With the long working range of 40mm, the new drive unit inherits varied functions from the former model, such as the rotation mechanism which is useful for the replacement of pipette or sample. Varied ways of installation are possible in accordance with the user's situation and mounted easily on isolation systems or microscopes. In addition, the internal structure was reviewed to realize better driving precision.

—Control Unit —

The new vernier type control unit electrically reproduces the same smooth movement that the hydraulic systems achieve. Users who switch from a hydraulic manipulator can operate the control unit without feeling uneasy. It channels the operator's intent directly to the electrode.

—Control Box —

The box is light-weight and compact while being equipped with varied functions, easy to move and allows operation by hand. Basic operations are available by switch or button functions and complicated configuration settings are not necessary.
Varied functions are provided, such as coarse-fine switching, switching to T-axis operation (angled movement to the same direction as the pipette faces), Clear and Return functions, position memory (up to 5 positions) and Control Knob Lock.

—Power Unit —

The three-dimensional position of the pipette tip is digitally indicated by μm unit. Users can know the definite position of the pipette tip. The florescent display is employed to allow the confirmation of position information in a darkened room.
The resolution setting is available among 20/60/100nm. This power unit is designed to be housed in a rack. It can be accommodated neatly together with patch clamp amplifiers and other units.

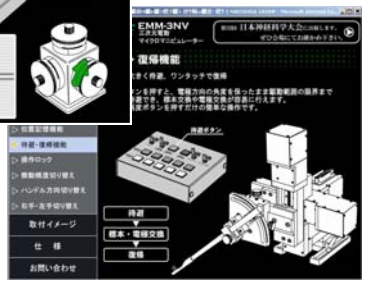
Details for EMM-3NV are now available on the main page of the web site!!

http://narishige-group.com

We launched a special page for the EMM-3NV on our web site. The special page discusses the features or varied functions provided with the EMM-3NV in a more detailed and realistic manner. You can get an idea of the movement of the EMM-3NV on your computer.

Don't miss it!!

Click the photo



For details or to request a catalog, please contact us.

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