



NEW!

SINGLE CONTROLLER AND ROE WILL RUN TWO TO FOUR STEPPER MOTOR DRIVE MANIPULATORS

CONTROL OF FOUR MANIPULATORS FROM ONE ROE-200 AND TWO MPC-200 CONTROLLERS

CONTROL OF TWO MP-865 MANIPULATORS WITH THE MPC-100 CONTROLLER

USER-FRIENDLY INTERFACE: SINGLE BUTTON ACCESS TO ALL MAJOR FUNCTIONS

NEW ACCELERATED MODE FOR FAST, MANUAL MANIPULATOR MOVEMENT

EASY TOGGLE SELECTION OF MODE (SPEED/RESOLUTION, PULSED DIAGONAL, ACCELERATED MODE)

DISPLAY INDICATES X, Y, Z COORDINATES, MODE, AND ACTIVE MANIPULATOR

ROBOTIC HOME AND WORK POSITION MOVES FOR EASY AUTOMATED PIPETTE EXCHANGE

FAST ROBOTIC MOVES

DEFINABLE 4TH AXIS FOR COAXIAL PIPETTE MOVEMENT, ANGLE SELECTED BY DIP SWITCHES

SIMPLE USB INTERFACE



(Shown: MPC-165-2 with optional IPA headstage)

MPC-165/MPC-365 NARROW FORMAT MICROMANIPULATOR SYSTEM

Our new **MP-865** "narrow format" mechanical is designed especially for patch-slice manipulator systems that require more than 2 or 3 pipettes as well as for other setups where space is limited. The **MP-865** was designed to minimize the width, allowing as many manipulators to be grouped together as possible. Travel in the Y-axis is shortened (12.5 mm) both to economize on width and because radially oriented manipulators do not require long travel in the traverse axis. Additional travel has been added in the X-axis giving the manipulator 50mm of travel in X, to facilitate fast and easy pipette exchange.

The **MP-865** manipulator is designed specifically for systems requiring 4 or more manipulators. To this end, we have put together systems with special pricing for 4, 5 and 6 manipulators, and 2 or 3 dual manipulator controllers. The optional narrow-format stand and linear slide or rotating base is available for mounting the **MP-865** mechanical. With the 150 mm throw of the linear slide, the manipulator can be quickly and smoothly retracted out to a

location where there is easy access to the pipette for replacement. A rotating base can be used for mounting to large platform stages like the Sutter **MT-78**, or smaller Sutter MD Series platforms.

MPC-365 systems are formed by using the popular Sutter **MPC-200** dual manipulator controller and ROE-200, with one or more MP-865 mechanicals. A single **MPC-200** controllers and ROE-200 can run one or two **MP-865** manipulators. A single ROE-200, when paired with two **MPC-200** controllers can control up to four **MP-865** manipulators. If you require more manipulators in a single setup, you simply duplicate the smaller systems. A new firmware version of the MPC-200/ROE-200 automatically recognizes the **MP-865** mechanical and adjusts accordingly.

As a more economical alternative, the **MP-865** also pairs with our **MPC-100** controller. The **MPC-100** integrates the entire controller into the ROE input device in a quiet compact design. Each **MPC-100** can control up to two **MP-865** manipulators.

ADDITIONAL FEATURES:

- Toggle switch selects which manipulator is connected to input device
- LED and display indicate active manipulator
- Low-drift mechanical stability
- Narrow MT-73 stand with 150 mm linear slide, and built-in rotating base mounting options



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SUTTER INSTRUMENT

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MPC-165 SYSTEMS

- MPC-165** System includes one TRIO™ MPC-100 controller, one MP-865/M manipulator mechanical, mounting adapter plate, rod holder, 4" dovetail extension, cables, power cord and manual.*
- MPC-165-2** MPC-165 with two MP-865/M mechanicals.*

MPC-365 SYSTEMS

- MPC-365** One MP-865/M manipulator mechanical, one MPC-200 controller and one ROE-200, mounting adapter plate, rod holder, 4 inch dovetail extension, cables, power cord and manual.*
- MPC-365-2** Same as the MPC-365, but with two MP-865/M mechanicals*
- MTC-365-3** Same as the MPC-365, but with four MP-865/M MP-265/M mechanicals, and two MPC-200 controllers.*
- MTC-365-4** Same as the MPC-365, but with four MP-865/M MP-265/M mechanicals, and two MPC-200 controllers.*
- MTC-365-5** Same as the MPC-365, but with five MP-865/M mechanicals, three MPC-200 controllers, and two ROE-200 user interfaces.*
- MTC-365-6** Same as the MPC-365, but with six MP-865/M mechanicals, three MPC-200 controllers, and two ROE-200 user interfaces.*

MPC-165 / MPC-365 COMPONENTS

- MP-865/M*** The MP-865 manipulator mechanical alone. Includes mounting adapter plate, rod holder, 4 inch dovetail extension, and cable to connect manipulator to controller

** Indicate right- or left-handed setup when ordering*



(Shown: MPC-365 with MT-73 stand and optional dPatch® headstage)