

ADDENDUM

To

ALL OPERATION MANUALS OF MPC-200/ROE-200-EQUIPPED MPC-SERIES SYSTEMS

REV. 1.00 – NOVEMBER 28, 2007

As of Version 3.11 (November 12, 2007) of the firmware for the MPC-200 micromanipulator controller and ROE-200 input device, the CENTER routine associated with the white button on the rear of the ROE-200 has been replaced with a CALIBRATE routine that is less likely to break a pipette. Thus, it can be used in the middle of an experiment when you see the message EOT (end of travel) displayed on the ROE-200. Please note that all references to CENTER in the current manual should be replaced with CALIBRATE. Furthermore, the detailed instructions regarding the centering routine in section 2.3.3 should be replaced with the CALIBRATE instructions below.

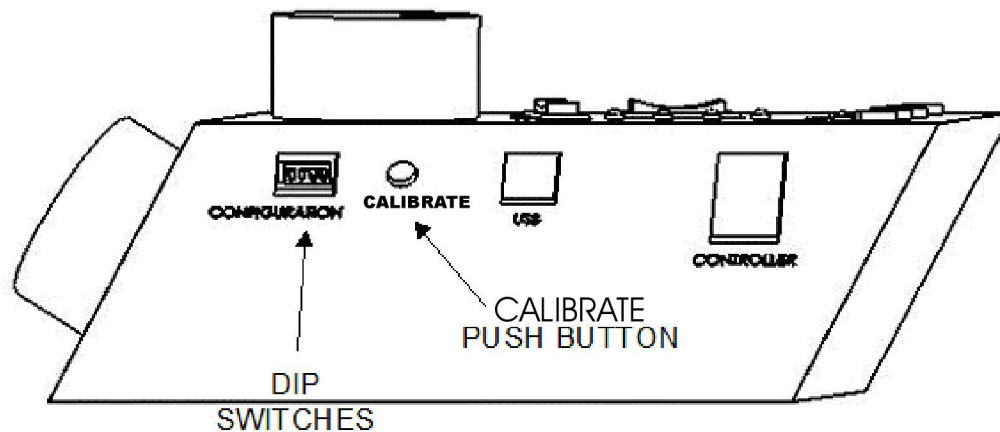


Figure 1. Location of the CALIBRATE button on the ROE-200.

CALIBRATE is used in two ways. When the unit is first set up, CALIBRATE is used to establish the zero location. Then, occasionally, during normal operation, CALIBRATE is used to reestablish the zero location. CALIBRATE follows a more conservative path than CENTER, and can generally be used in the presence of a pipette.

To CALIBRATE, press and release the white button on the back of the ROE-200. The manipulator will back away from the current location along the established diagonal (like a HOME move), and ultimately move to the end of travel (EOT) sensors, beyond the origin (0,0,0). Once the sensors are found, a short move in the opposite direction is made and this location is defined as (0,0,0). The purpose of CALIBRATE is to allow 0,0,0 or HOME to be safely reestablished during the course of an experiment without risking damage to the pipette.

If the unit is turned off, or STOP/SET is pressed during the running of CALIBRATE, the unit will not be correctly initialized. In this case, it is necessary to cycle the power off and on, and then run CALIBRATE again to its completion.