



**▶ MCL** Controller for Stepper Motors

<b>Resolution:</b>	max. 40.000 steps / revolution (smallest step size)
<b>Motor revolution:</b>	max. 15 s <sup>-1</sup> using motors with 200 steps / revolution
<b>RS 232 baud rate:</b>	max. 9.600 baud
<b>Inputs</b>	two limit switch inputs for each axis, polarity adjustable, stop input
<b>Dimensions:</b>	250 x 230 x 95 mm
<b>Weight:</b>	3.500 g

**Order Informationen:**

MCL 2 (2 axes, without display)  
Part No.: 00-79-220-0832

MCL 2 (2 axes, with display)  
Part No.: 00-79-220-0833

MCL 3 (3 axes, without display)  
Part No.: 00-79-220-0834

MCL 3 (3 axes, with display)  
Part No.: 00-79-220-0835

**Accessories:**

Joystick, RS 232 interface, motorcables and basic WinCommander are included in delivery!

For further accessories please refer to:  
[www.marzhauser.com](http://www.marzhauser.com)

The MCL is a high-resolution stepper motor controller for micromanipulators – it can control up to three axes.

Since the MCL controls via linear amplifiers, electromagnetic radiation is virtually eliminated. This is very important for use with the HS6 or SM 3.25 Micromanipulator in electrophysiological applications around biological or medical technology. Even in highly sensitive applications, the MCL does not interfere with the accuracy of measuring currents in nA-range.

For applicants who wish to write their own software, DLLs and a complete set of commands are included. The MCL also comes with the basic version of the comfortable user interface WinCommander.

A switch on the front panel makes stand-alone-mode operation via joystick possible. An alternative model MCL is available with the added feature of a 4-line position display.