



▶ **Push Button Controller MS314** for Micromanipulator DC-3K / DC-3KS

<b>Step size:</b>	adjustable from 0,5 – 10 µm
<b>Continuous speed:</b>	continuous velocity adjustable from 0 to 200 µm/s
<b>Power supply:</b>	115 / 230 volt 50-60 Hz
<b>Fuses:</b>	115 volt T 0,1 A / 230 volt T 0,05 A (5 x 20 mm)
<b>Thermal fuse:</b>	98° C
<b>Operating temperature:</b>	5°C to 40°C
<b>Storage temperature:</b>	-20°C to 60°C
<b>Dimensions:</b>	190 x 47 x 138 mm
<b>Weight:</b>	900 g

**Order Informationen:**

Order No.: 00-75-220-0814

**Accessory:**

Remote Control  
Order No.: 00-75-220-1814

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

With the MS 314 controller all three axes of the manipulator DC-3K or DC-3KS can be operated bi-directional, but not simultaneously, via six push buttons on the front panel. A brief (< 1 sec.) push of a button activates the single step mode, as defined in "step size" (the same for all three axes).

The backlash (caused by gearing ratio) that usually occurs with change of direction, is virtually eliminated with this controller. With each change of direction additional current impulses are sent to the motors, causing them to turn almost exactly as many times as needed to compensate the gearbox play. This is especially helpful in the single step mode, as it prevents "skipping" (the motor turns, but the micromanipulator does not move).

On the rear the MS 314 is equipped with an earthing socket and it includes shielded cables.  
Using the optional remote control, all three axes can be directed for forward and reverse movement.