

MC-101-01

Single axis controller for rotary stage RA-55-40

Concept:

The single axis, two phase controller MC-101-01 is for use with the rotary stage RA-55-40. Both are designed for applications in research and development and in industrial use.

Specials:

The MC-101-01 controller enables the setting of parameters like acceleration, velocity, position and torque of the RA-55-40 rotary stage on the fly. The MC-101-01 can be driven via a common terminal program e. g. hyper terminal. A wide instruction set, including user defined macro commands, is available. The MC-101-01 comes with a user selectable micro stepping down to 1/256. Therefore a higher resolution and a improved running smoothness is possible.

Assembling:

The MC-101-01 is network-compatible i. e. up to eight controllers can be driven by one power supply and one PC. Three controllers in one enclosure are also possible.



Controller MC-101-01 for rotary stage RA-55-40

characteristics:

- single axis, two phase controller
- network-compatible (up to eight controller via one PC)
- electronic micro stepping
- positioning in closed loop

options:

- OEM design without enclosure
- up to 3 controller in one enclosure

MC-101-01

technical data

	Unit	MC-101-01
Part number		MC-101-01
stepper controller	-	single axis, two phase
control loops	-	position, closed loop
parameters control	-	position, velocity, acceleration, torque
interfaces	-	RS-232, RS-485, CAN
micro stepping	-	≥ 1/256
resolution	-	down to 0.004 μm, depending on micro stepping
network-compatible	-	up to eight controller with one power supply via PC
inputs/outputs	-	digital and analog inputs/outputs for conversion and data acquisition
power requirements	V DC	max. 20 @ 1 A
Software	-	common terminal program
programming	-	double-digit commands
dimensions l x b x h	mm/"	95 x 60 x 26/3.7 x 2.4 x 1
weight	g/lbs	100/0.22