

# Mercury Step Controller

## 1- AXIS NETWORKABLE STEPPER- MOTOR CONTROLLER



### C-663

- + High- speed encoder input to 20 MHz
- + Macro programmable for stand- alone functionality
- + Data recorder
- + Non- volatile EEPROM for macros and parameters

## Specifications

C-663.11	
Function	Stepper motor controller, stand- alone capability
Drive type	2- phase stepper motor
Channels	1
<b>Motion and control</b>	
Trajectory profile modes	Trapezoidal, point- to- point
Microstep resolution	1/16 full step
Limit switches	2 × TTL, programmable
Reference point switch	1 × TTL, programmable
Motor brake	1 × TTL, programmable
<b>Electrical properties</b>	
Operating voltage	15 to 30 V
Current limitation per motor phase	1000 mA
<b>Interface and operation</b>	
Communication interfaces	USB, RS-232 (bus architecture)
Motor connector	Sub- D 15 (f)
Controller network	Up to 16 units* on single interface
I/ O ports	4 analog / digital in, 4 digital out
Command set	PI General Command Set (GCS)
User software	PIMikroMove
Software drivers	LabVIEW drivers
Supported functionality	Start- up macro, data recorder for recording parameters as motor input voltage, velocity, position or position error
Manual control	Joystick, Y- cable for 2D motion, pushbutton box
<b>Miscellaneous</b>	
Operating temperature range	5 to 50 °C
Mass	0.3 kg
Dimensions	130 mm × 76 mm × 40 mm

\* 16 units with USB; 6 units with RS-232.

## Order Information

**C-663.11**

Mercury Step Stepper Motor Controller, 1 Channel, with Wide- Range Power Supply (24 V)

## Related Products

[C-863 Mercury Servo Controller](#)

[C-867 PLine® Motion Controller](#)

[E-862 NEXACT® Drive Electronics](#)

