



## Stepper Motor Controller

This stepper controller is an inexpensive device for open or closed loop positioning of one or two axes. It has a keypad and backlit LCD for input/display. The controller can drive 2 axes and has I/O for microstepping drivers, encoders and home switches for both axes. The embedded control program is optimized for rotary stages. The controller has programmed routines for point-to-point motion with trapezoidal speed profiles and continuous motion with adjustable speed. The controller runs either standalone using the keypad and LCD, or under computer control using a serial interface. A LabVIEW™ driver and sample application program are provided.

### SPECIFICATIONS

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- High-speed microcontroller based instrument
- 2 axis stepper motor control 12.5 - 25,000 pps each axis
- Built-in support for quadrature encoders up to 100 kHz pulse rate
- Peripheral ICs accurately generate stepper pulses, read encoders
- 7 digital inputs, 8 digital outputs each axis
- Screw terminal connections for I/O signals
- 4x40 character LCD display
- 16-key numeric and function keypad
- RS-232 connectivity @ 19200 baud
- Runs off 7-40 VDC
- Generates 5 VDC @ 1A (switching supply) for logic (drivers, encoders, etc.)
- 10"x7"x4" enclosure

Related products: LS-100 Motorized Rotary Stage, HS-100 Motorized Rotary Stage

Please consult us if your requirements call for different specifications or if you need custom engineering of this product or related products.

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