

MS-2000-WK Multi-Axis Stage Controller



Features

- 100 MHz Microcontroller for faster command processing and servo control
- Closed-loop DC servo control of up to four motorized axes
- Firmware upgradeable via serial connection
- 0-10V DAC for single piezo axis control
- Remembers last position on power down/up
- LCD display shows axes coordinates and status
- “Zero” and “Home” buttons for simple stand-alone operations
- USB or RS232 serial control with baud rates to 115200 Baud
- Compact ergonomic tabletop control unit 6”D x 9”W x 3”H (16½ x 23 x 9 cm)

We Create Solutions

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Options Supported

- Linear Encoders
- Hardware Video Autofocus
- Z-axis Drives with Electromechanical Clutch
- Raster and Serpentine Scanning Routines with TTL Synchronization
- Leica Smart Move™ Digital Potentiometers for XY Motion Control
- TTL Control of Moves to Previously Stored Locations

Specifications

Digital Servo Loop Time	250 μ s x number of axes	
Digital-Closed-Loop Speed Dynamic Range	> 40 dB	
Motor Type	Brushed DC Servo Motors	
Maximum Motor Current	1.5 Amp	
Motor Voltage	6-24 V	
Encoder Options	Internal Rotary or External Linear Encoders are supported	
Number of Axes	Up to four Motor Axes, plus DAC Channel for Piezo Drive	
Manual Controls	XY Joystick, Control Wheel	
Display	4-line by 40-character LCD Display shows Axis Positions and Status	
Computer Interface	RS232 Serial and USB	
Interface Baud Rate	9600, 19200, 115200	
Electrical Requirements from External Power Supply	Voltage	24V DC
	Current (max)	1.5 Amp

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