

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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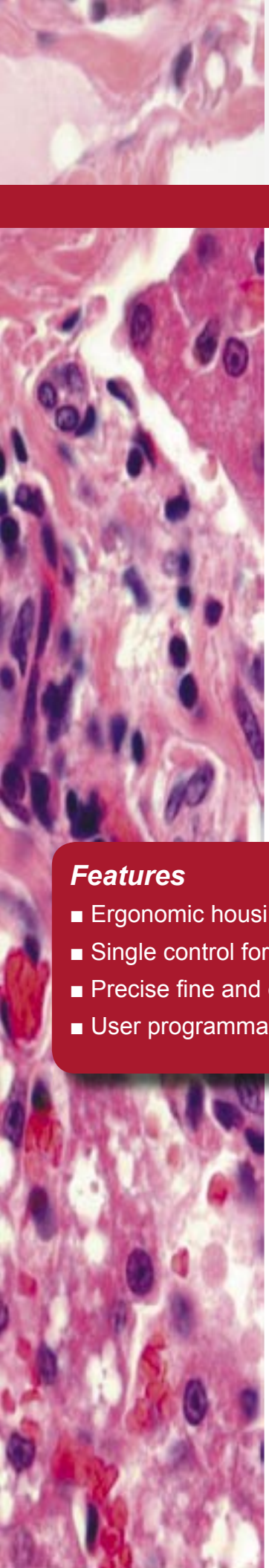
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Input Devices

Analog Control for Positioning and Focus

User control for positioning and focus



Analog Joysticks

There is almost always a need to manually interact with a motorized stage. The most popular method is to use a joystick. LEP has always provided a responsive, dynamic yet precise joystick control built into the controller system. Interactive joystick control is always available as a function of the controller design and is not dependent upon application software.

The joystick function is however fully programmable from the host computer. Commands for setting the maximum joystick speeds as well as specific commands to enable and disable the control are available.

While the joystick is dubbed an 'analog input device' it can be described as more digital than analog. The motor controller reads the analog joystick angle and processes the deflection based on tuned behavior condition that provides intuitive and precise control of the stage position at any magnification. At the highest magnification the joystick can be used to easily move in the smallest of increments. At lower magnifications the exponential gain function allows for comfortable control as well.

In addition to the usual XY joystick, LEP offers versions to control up to 4 axes. A three axis analog version of the joystick has a spring loaded rotating knob on the XY joystick stalk. Rotating the knob causes the motor to turn in the respective direction. Release the knob and the spring returns it to the zero position and the motor stops.

Motor response direction is user configurable by the controller system with proper configuration the stage and focus will move intuitively according to the joystick movement.

Features

- Ergonomic housing
- Single control for up to 4 axes
- Precise fine and coarse control
- User programmable buttons



73006361

73006362

Catalog Number	Description	Control Axes
73006360	XY Joystick	2
73006361	XYZ Joystick	3
73006362	XY Joystick with side mounted digipot control	3
73006366	XYZ Joystick with side mounted digipot control	4

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