



Positioning System

LSTEP-PCI compact



16 digital I/Os on Board

For positioning with the utmost precision

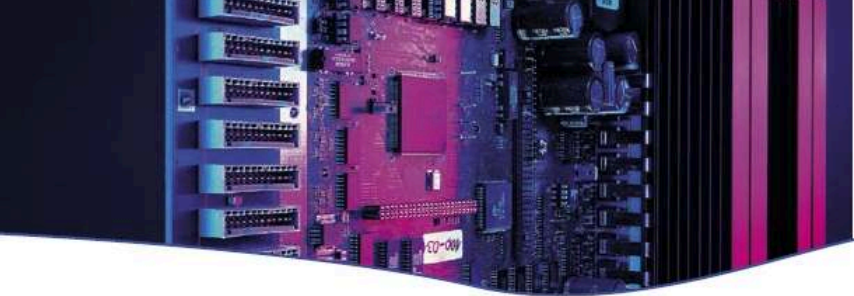
The LANG LSTEP-PCI compact Positioning System is a high-resolution stepping motor controller in the form of a PCI plug-in module for the PC.

This device is used to control three axes with 2/4 phase stepping motors.

Communication between the PC and the controller takes place through the PCI bus topped by a Dual-Port Ram, or the RS 232 interface.

Dynamic micro step operations allow positioning operations to be done quickly and with the highest precision. The small dimensions of the PCI-board allow an integration in nearly every PC-housing.





FACTS

Resolution: 50,000 microsteps per motor revolution

PC plug-in module:

- Dimensions: 233,7(236) x 98,5(106,7) mm
- Amplifier on board
- Logic voltage supply and Reset via the PCI bus
- Separate 4-pole plug for motor voltage supply:
12 V from PC-power pack; 11.4 V - 48 V from an external power pack
- max. motor speed up to 40 s⁻¹, depending on the type of motor and motor voltage
- max. motor current: 3.75 A per motor phase
- High-performance instruction set, compatible with the Positioning Systems of the LSTEP series

Options:

- Joystick
- Sin / Cos Encoder-Analysis 8.000-fold interpolation
- 3 TTL-transducer inputs for position monitoring
- Multi-function port (MFP):
 - Path-synchronous trigger output, snapshot input
 - Outputs for clock pulse and direction of rotation for 2 more axes
 - 4 analog inputs, 1 analog output, PT 100 interface
- API: DLL-Interface for Delphi, Visual C++, Visual-Basic and LabVIEW

The integration of a controller and power amplifiers on a plug-in device for the PC provides compact, EMC-compliant systems without additional mechanical requirements.

This solution is ideal for applications where cost is a sensitive factor.

A wide range of equipment options provides more flexibility, allowing you to adapt the system to meet your individual needs.

User interface Win-Commander for Microsoft Windows



Partner for innovative CNC-Technology

LANG GmbH & Co. KG

Dillstr. 4
35625 Hüttenberg
Germany
Tel.: +49 (0) 6403/7009-0
Fax: +49 (0) 6403/7009-40
E-Mail: control@lang.de
Internet: www.lang.de