

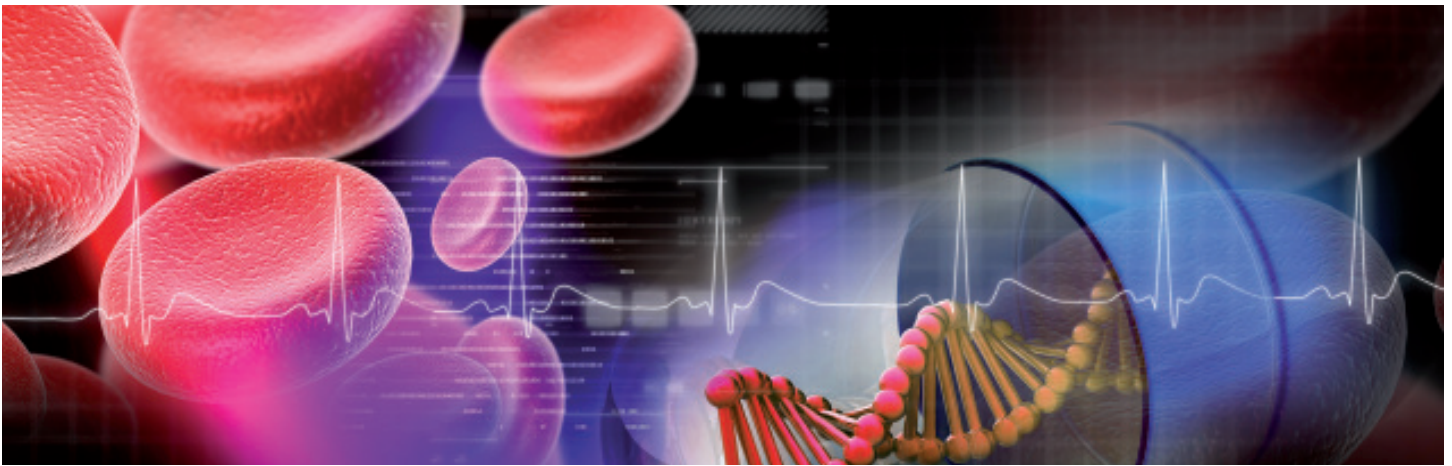


POSITIONING SYSTEM
ECO-STEP



+++ NEW +++
Now also
6 axes
available!





ECO-STEP

The LANG ECO-STEP positioning system is a high-resolution stepping motor controller for controlling three or six axes equipped with 2/4 phase stepping motors. Communication between the PC and controller takes place through the USB- or RS232 interface. Dynamic micro step operation allows positioning operations to be done with extreme precision.

The integration of the controller and power amplifiers in one compact housing, enables the set-up of a cost-effective complete system.



FACTS

3 Main axes

Resolution: 50,000 micro steps per motor revolution for a 200-step motor
 Motor speed: Adjustable from 0,0001 to 40 s⁻¹ (depending on motor type)
 Motor current: Adjustable by steps of 0,01A up to max 1,25A without ventilation / max 2,5A with ventilation

3 Additional axes

Resolution: Stepwise adjustable, 200 – 51.200 micro steps per motor revolution for a 200 step motor
 Max. step frequency: 25kHz
 Max. motor speed: Max. step frequency / adjusted resolution
 Motor current: Adjustable up to max. 1,7A

Facts

Supply voltage: 24V DC with power adaptor
 Interfaces: USB or RS232
 Joystick: Connections for 3 axes
 Safety functions: 1. Stop access (software)
 2. Power amplifier, externally defeatable
 Vector operation: linear interpolation for all main and additional axes
 End switch ports: 2 ports for each axis
 Commands: Compatible with LSTEP series
 API: DLL-interface for Delphi, Visual C++, Visual-Basic, LabVIEW, class library for C# // all for 32 bit or 64 bit
 WinCommander: Operator programme for Windows
 Availability: The controller is obtainable as a board (double Euro size) or in a box

Available ports

25-pin D-SUB connector: For 3 motors and 2 end switches/axis (1 for the main axis, 1 for the additional axis)
 15-pin HD-SUB plug: For 24V/DC supply voltage and external shutdown of the power amplifiers
 9-pin D-SUB plug: Joystick port for the main axes
 USB-stick / B: USB interface
 Optional: RS232, CAN, display



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